

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129440.D
 Acq On : 29 Jul 2022 14:02
 Operator : CG\JU
 Sample : N3964-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-C

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M

Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129440.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.481	539	543	545	rBV	132586	134284	2.48%	0.261%
2	5.522	545	550	553	rVB	4940623	4807116	88.88%	9.341%
3	6.528	715	721	724	rBV	4455291	4958486	91.68%	9.636%
4	6.704	746	751	755	rBV	117855	102777	1.90%	0.200%
5	6.881	778	781	785	rBV	1281815	1097221	20.29%	2.132%
6	7.063	808	812	816	rVB	68075	60138	1.11%	0.117%
7	7.140	821	825	830	rVB	337131	303515	5.61%	0.590%
8	7.451	873	878	881	rBV	3367949	3179990	58.79%	6.179%
9	7.910	948	956	959	rBV4	117853	160675	2.97%	0.312%
10	7.945	959	962	967	rVB	90257	122317	2.26%	0.238%
11	8.169	991	1000	1001	rBV	1700168	1526662	28.23%	2.967%
12	8.192	1001	1004	1007	rVV	3594773	3008585	55.62%	5.846%
13	8.239	1009	1012	1018	rVB	88826	78672	1.45%	0.153%
14	8.881	1117	1121	1124	rBV	788471	636681	11.77%	1.237%
15	8.981	1133	1138	1141	rBV	845240	716710	13.25%	1.393%
16	9.245	1177	1183	1186	rBV	6102395	5408718	100.00%	10.510%
17	9.339	1197	1199	1205	rVB	236735	224630	4.15%	0.437%
18	9.439	1210	1216	1222	rVB2	91551	148494	2.75%	0.289%
19	9.504	1223	1227	1232	rBV2	205400	252970	4.68%	0.492%
20	9.581	1236	1240	1243	rBV	287198	282178	5.22%	0.548%
21	9.610	1243	1245	1249	rVB2	127319	116076	2.15%	0.226%
22	9.698	1256	1260	1269	rVB	155230	202297	3.74%	0.393%
23	9.786	1271	1275	1277	rVV	295182	255282	4.72%	0.496%
24	9.904	1291	1295	1296	rBV	128042	121990	2.26%	0.237%
25	9.928	1296	1299	1301	rVV	1877386	1601402	29.61%	3.112%
26	9.957	1301	1304	1307	rVB	677520	524669	9.70%	1.020%
27	10.028	1313	1316	1320	rVB2	47786	65303	1.21%	0.127%
28	10.128	1329	1333	1337	rVB2	169784	165415	3.06%	0.321%
29	10.163	1337	1339	1343	rVB	74675	66445	1.23%	0.129%
30	10.233	1347	1351	1354	rBV2	91965	121359	2.24%	0.236%
31	10.322	1363	1366	1369	rBV2	93254	127517	2.36%	0.248%
32	10.380	1373	1376	1378	rBV	104866	87201	1.61%	0.169%
33	10.422	1378	1383	1385	rBV4	48946	61883	1.14%	0.120%
34	10.445	1385	1387	1389	rBV	81163	58468	1.08%	0.114%
35	10.475	1389	1392	1397	rVB	492888	465198	8.60%	0.904%
36	10.522	1397	1400	1402	rBV3	63437	59472	1.10%	0.116%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
 Data File : BF129440.D
 Acq On : 29 Jul 2022 14:02
 Operator : CG\JU
 Sample : N3964-05
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HMGP-SOIL-C

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
 Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.586	1408	1411	1413	rBV	71691	65682	1.21%	0.128%
38	10.722	1426	1434	1437	rBV	4068091	3756604	69.45%	7.300%
39	10.833	1449	1453	1459	rVB4	59502	87137	1.61%	0.169%
40	11.022	1480	1485	1488	rBV2	134345	159047	2.94%	0.309%
41	11.051	1488	1490	1493	rVB2	78663	62765	1.16%	0.122%
42	11.104	1496	1499	1502	rVB	95810	82082	1.52%	0.160%
43	11.151	1502	1507	1509	rBV3	40147	63983	1.18%	0.124%
44	11.310	1529	1534	1537	rBV3	73655	73649	1.36%	0.143%
45	11.416	1548	1552	1554	rBV	1826435	1561981	28.88%	3.035%
46	11.439	1554	1556	1560	rVV	1490944	1209685	22.37%	2.351%
47	11.492	1560	1565	1567	rVV	470834	405377	7.49%	0.788%
48	11.527	1567	1571	1573	rVV3	97888	125355	2.32%	0.244%
49	11.569	1576	1578	1584	rVB3	47146	69474	1.28%	0.135%
50	11.645	1588	1591	1599	rBV	97624	125292	2.32%	0.243%
51	11.710	1599	1602	1604	rVB	128420	89632	1.66%	0.174%
52	11.792	1614	1616	1619	rBV	91276	68800	1.27%	0.134%
53	11.916	1634	1637	1640	rBV	217766	201395	3.72%	0.391%
54	11.945	1640	1642	1645	rVB	200937	152643	2.82%	0.297%
55	11.992	1647	1650	1653	rVB	194739	157543	2.91%	0.306%
56	12.033	1653	1657	1659	rBV	413143	447700	8.28%	0.870%
57	12.210	1684	1687	1691	rVB	270711	226694	4.19%	0.441%
58	12.469	1727	1731	1733	rBV	148733	167546	3.10%	0.326%
59	12.504	1733	1737	1739	rVV3	276002	302457	5.59%	0.588%
60	12.569	1743	1748	1750	rBV3	60047	113972	2.11%	0.221%
61	12.586	1750	1751	1755	rVB	83916	61431	1.14%	0.119%
62	12.633	1755	1759	1762	rBV	908669	780400	14.43%	1.517%
63	12.727	1772	1775	1778	rBV	207872	171611	3.17%	0.333%
64	12.863	1791	1798	1801	rBV	1147451	1034032	19.12%	2.009%
65	13.004	1817	1822	1825	rBV	4831028	4276031	79.06%	8.309%
66	13.074	1831	1834	1840	rBV4	70562	97459	1.80%	0.189%
67	13.186	1846	1853	1856	rVB	196720	277546	5.13%	0.539%
68	13.257	1862	1865	1868	rVB	194371	154370	2.85%	0.300%
69	13.292	1868	1871	1874	rVB	104595	88744	1.64%	0.172%
70	13.357	1879	1882	1885	rBV2	54296	65091	1.20%	0.126%
71	13.421	1890	1893	1899	rVB	103723	125369	2.32%	0.244%
72	14.063	1997	2002	2005	rBV2	1256880	1378171	25.48%	2.678%
73	14.086	2005	2006	2014	rVB	283192	208750	3.86%	0.406%
74	14.451	2065	2068	2071	rVB	73712	66594	1.23%	0.129%
75	15.115	2177	2181	2188	rBV	112817	247031	4.57%	0.480%
76	15.427	2231	2234	2240	rVB	77702	95782	1.77%	0.186%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.492	2241	2245	2251	rVB	156912	194189	3.59%	0.377%
78	15.557	2251	2256	2261	rBV	881845	1050604	19.42%	2.042%

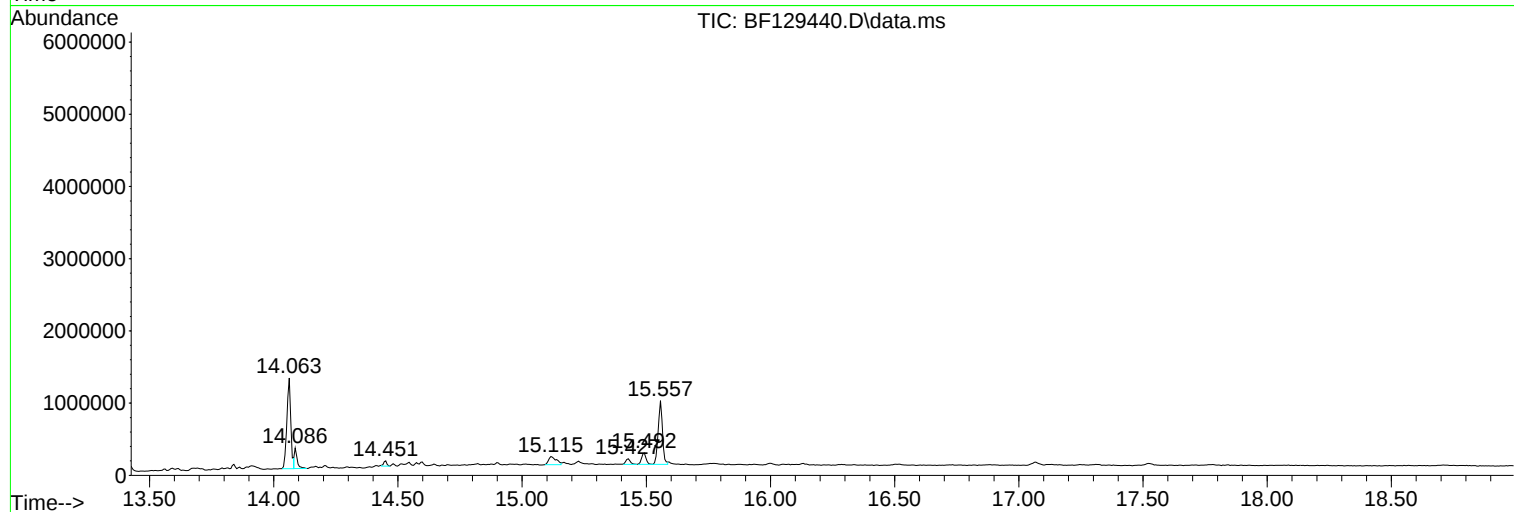
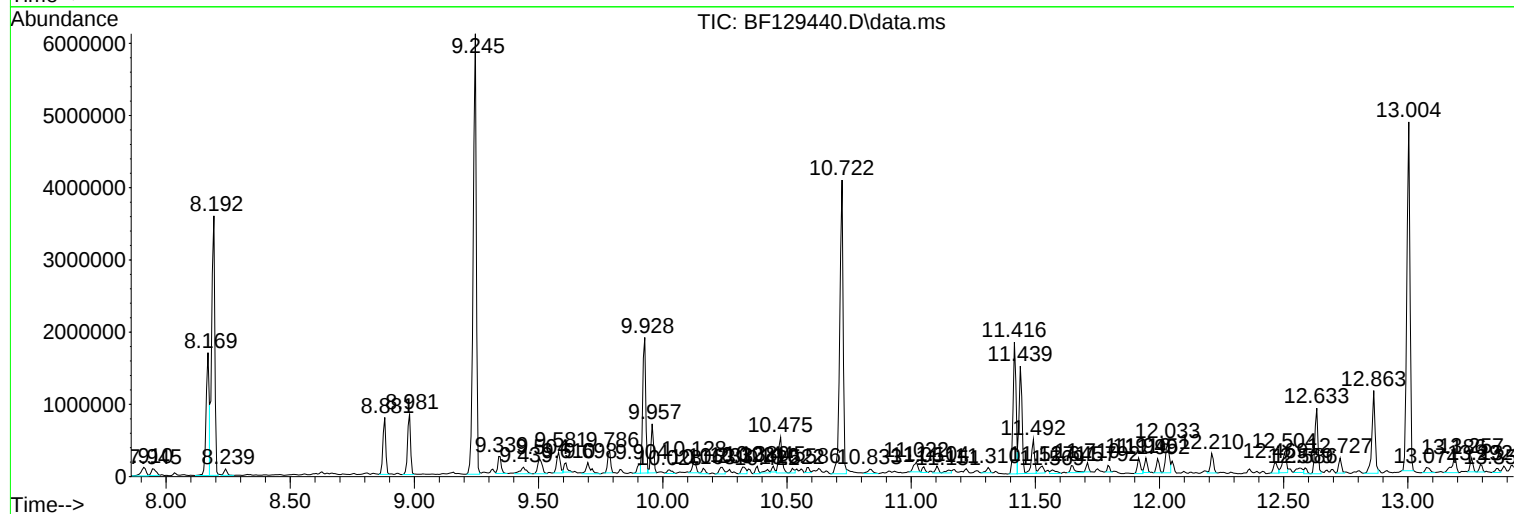
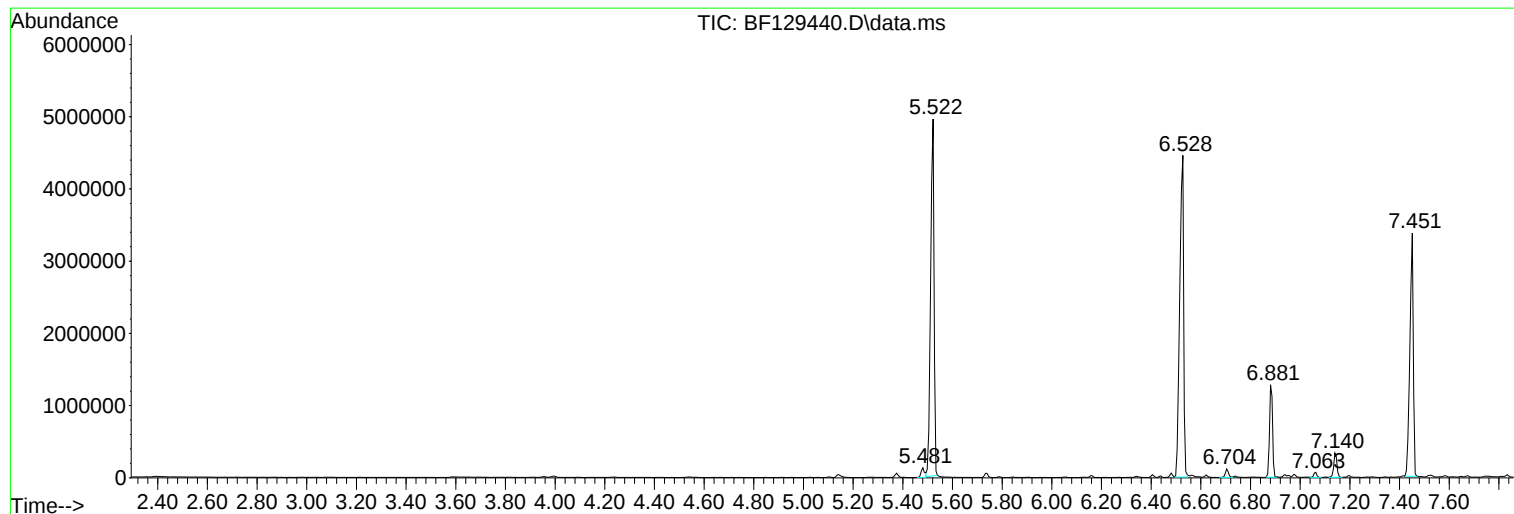
Sum of corrected areas: 51460496

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

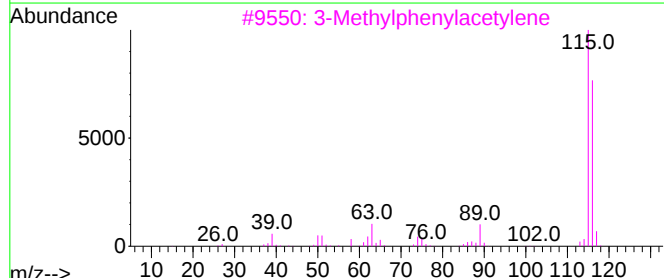
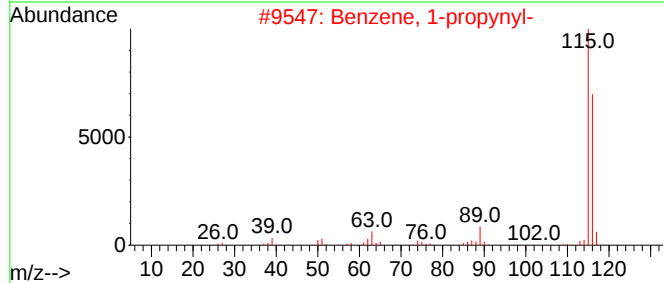
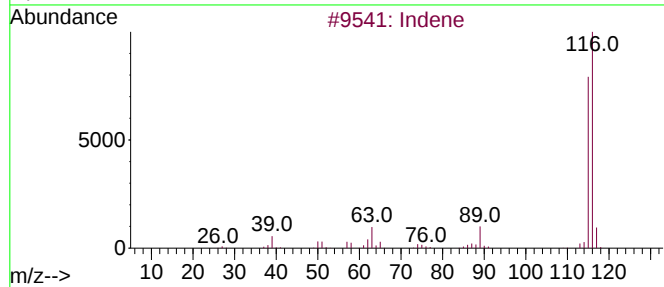
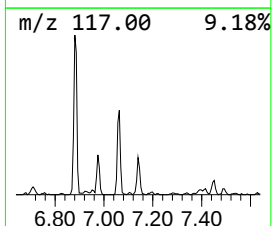
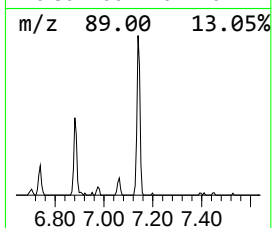
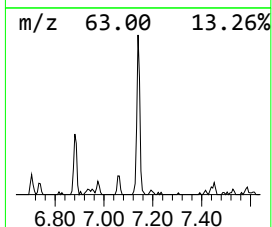
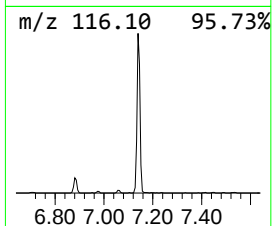
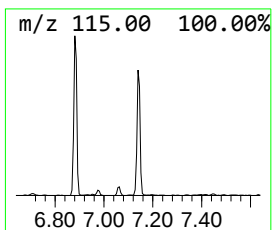
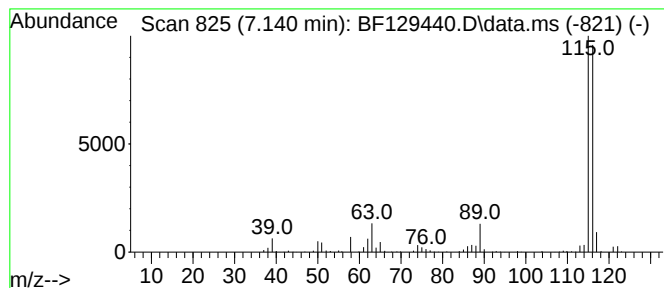
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 1 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.140	5.53 ng	303515	1,4-Dichlorobenzene-d4	6.881

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indene	116	C9H8	000095-13-6	97
2			Benzene, 1-propynyl-	116	C9H8	000673-32-5	94
3			3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4			2-Methylphenylacetylene	116	C9H8	000766-47-2	91
5			Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

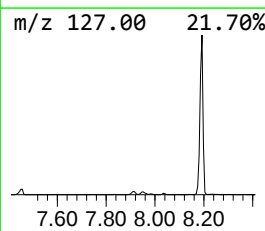
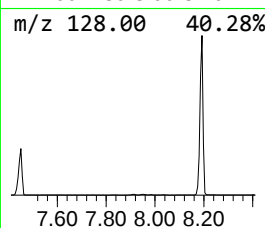
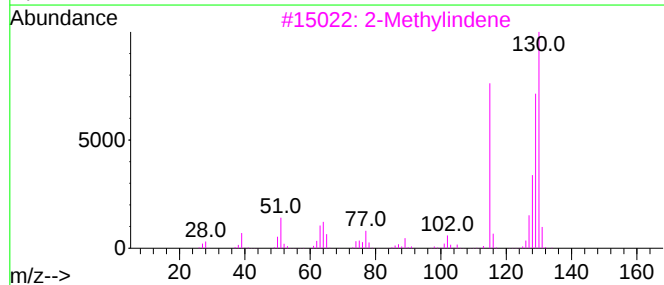
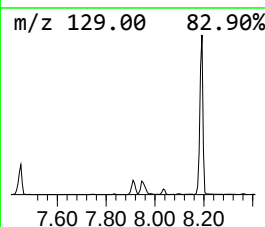
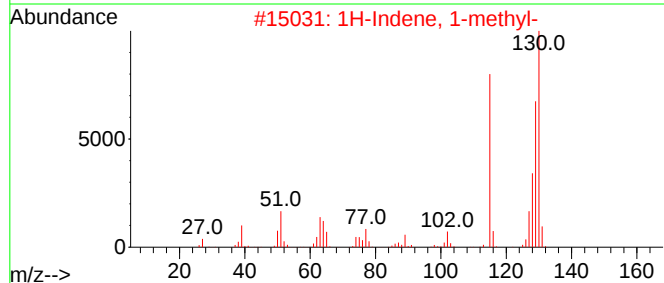
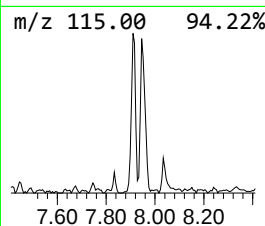
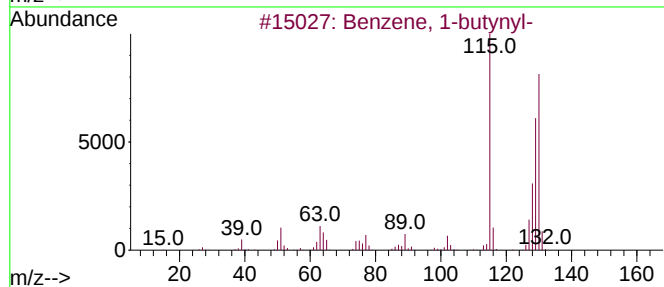
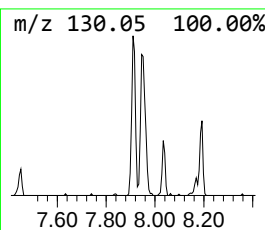
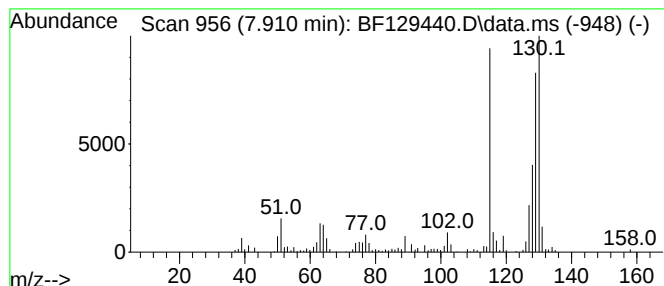
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 2 Benzene, 1-butynyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.910	2.10 ng	160675	Naphthalene-d8	8.169

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-butynyl-	130	C10H10	000622-76-4	97
2			1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3			2-Methylindene	130	C10H10	002177-47-1	96
4			Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	95
5			1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

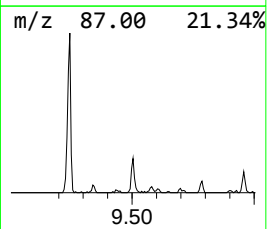
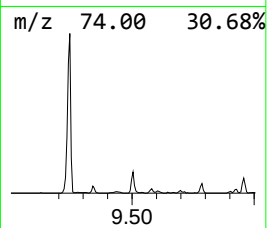
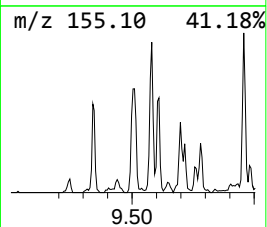
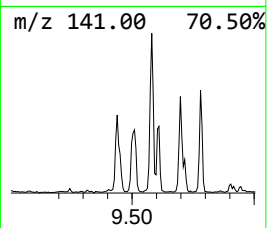
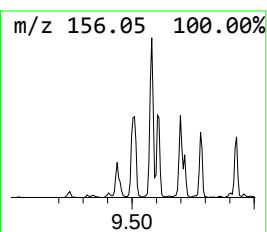
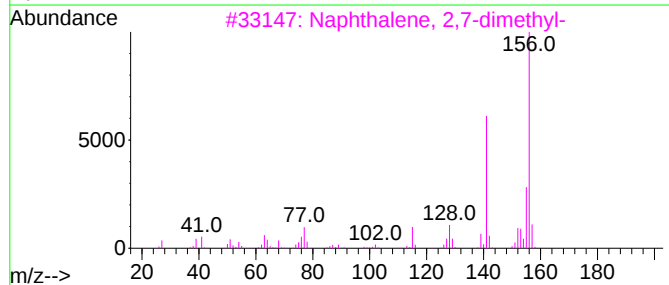
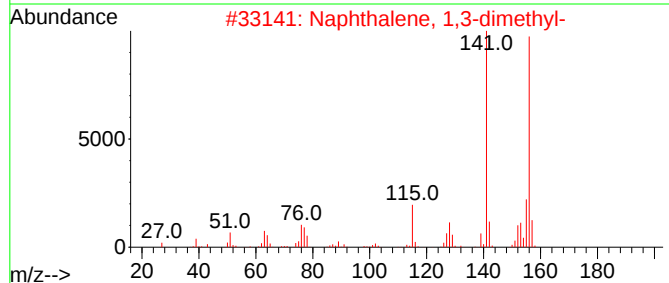
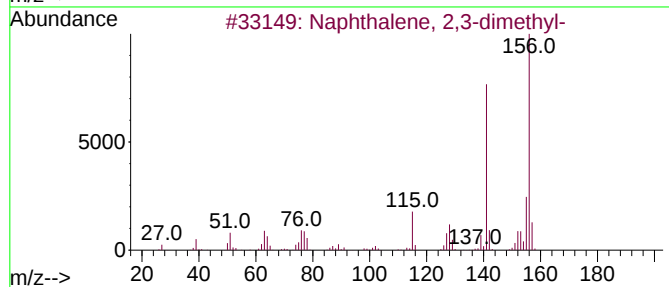
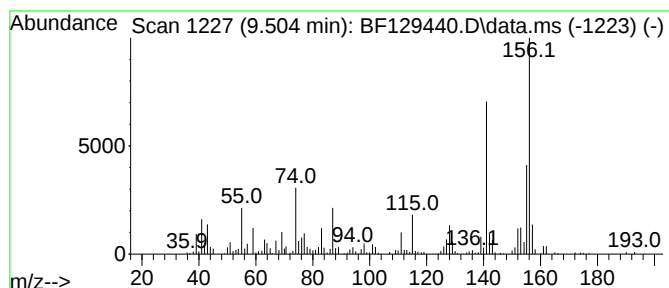
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 3 Naphthalene, 1,3-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	3.16 ng	252970	Acenaphthene-d10	9.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
2			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
5			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

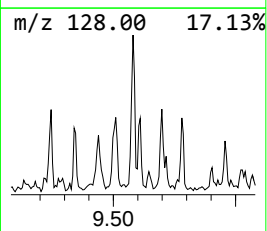
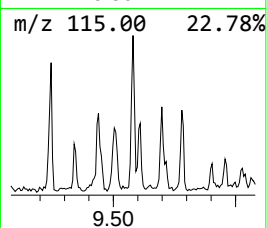
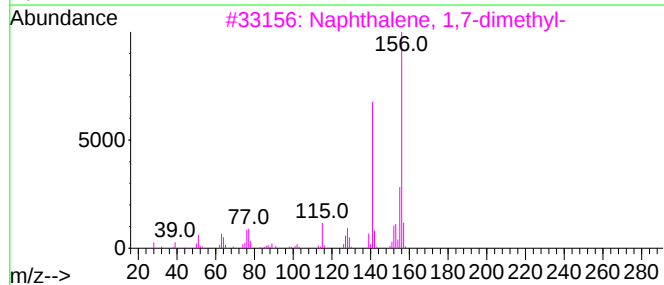
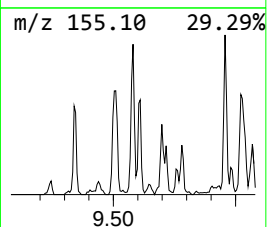
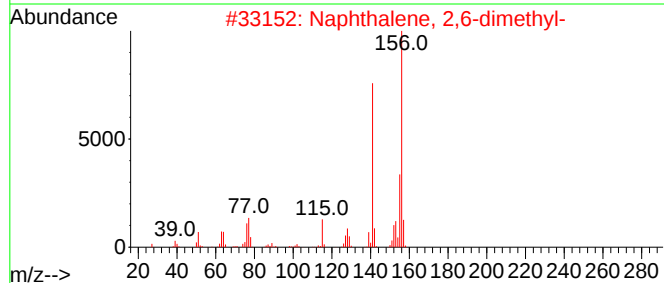
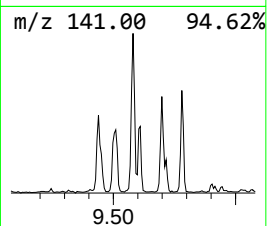
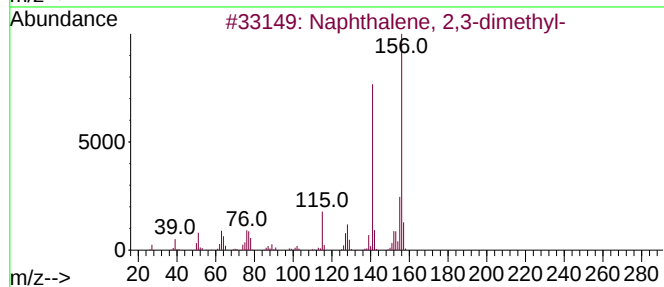
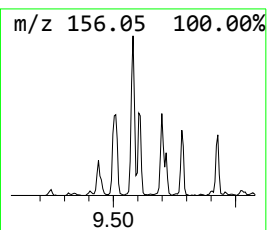
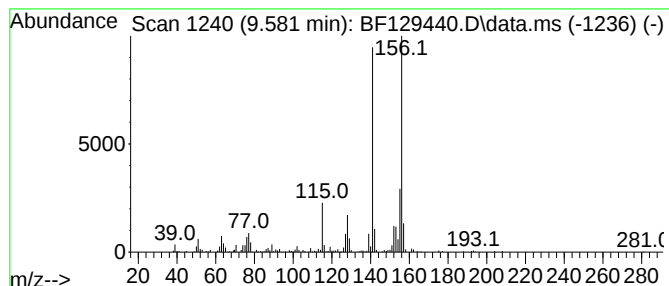
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.581	3.52 ng	282178	Acenaphthene-d10	9.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
3			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

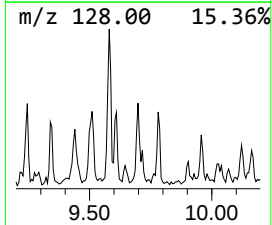
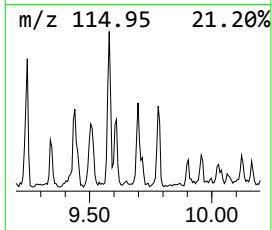
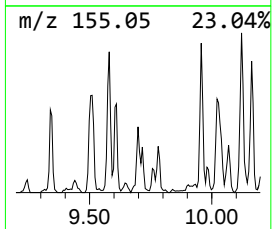
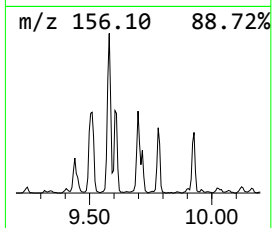
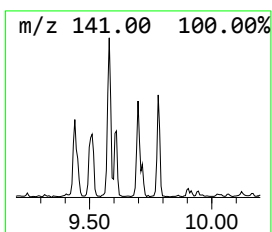
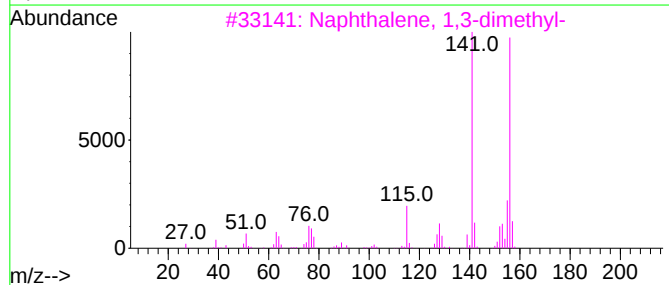
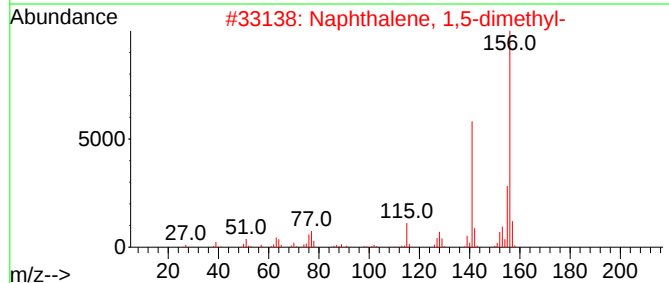
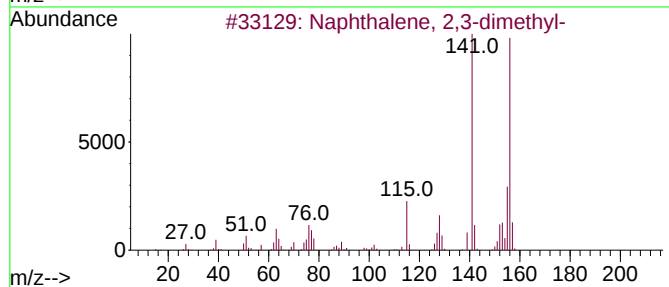
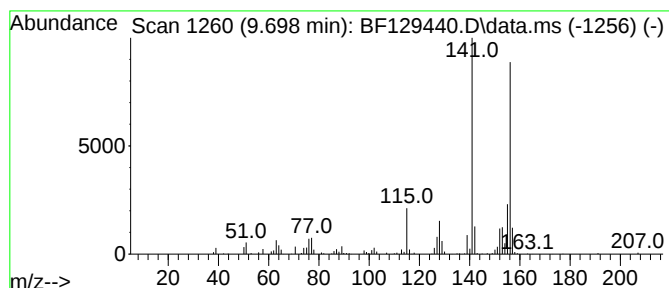
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 5 Naphthalene, 1,5-dimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.698	2.53 ng	202297	Acenaphthene-d10	9.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

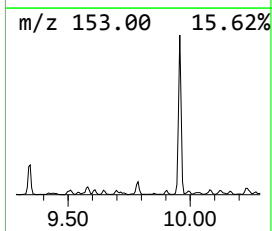
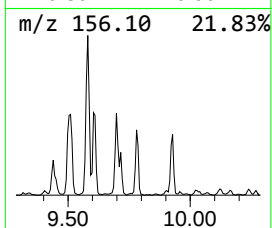
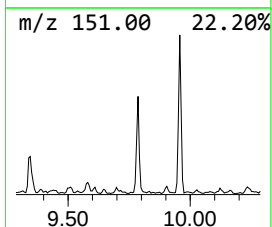
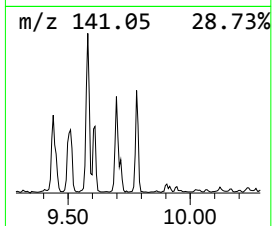
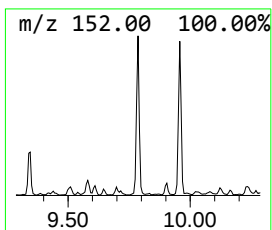
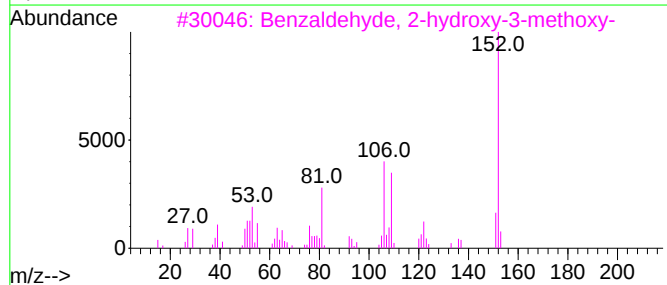
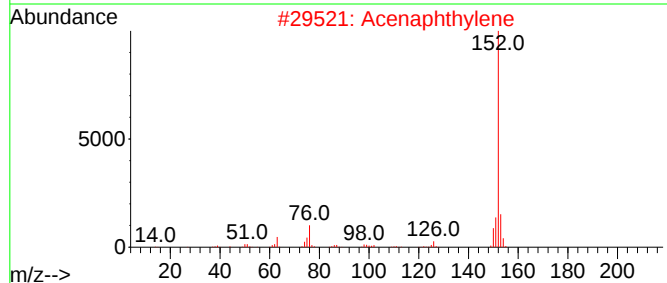
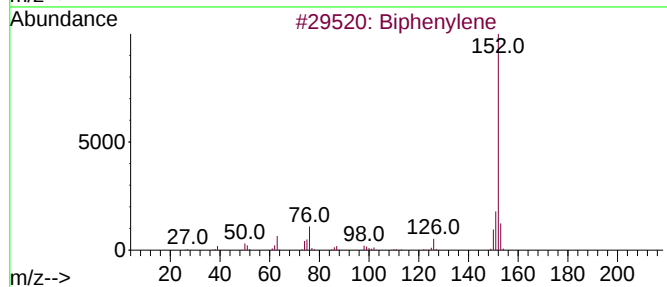
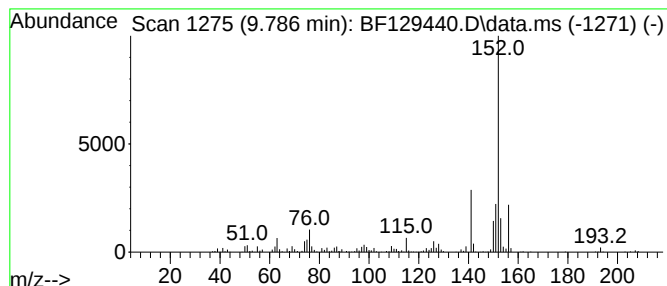
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 6 Biphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.786	3.19 ng	255282	Acenaphthene-d10	9.928

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Biphenylene	152	C12H8	000259-79-0	93
2			Acenaphthylene	152	C12H8	000208-96-8	64
3			Benzaldehyde, 2-hydroxy-3-methoxy-	152	C8H8O3	000148-53-8	47
4			(6Balpha,7beta,11alpha,11aalpha)...	334	C25H18O	1000241-69-8	40
5			5,6-Dihydro-4-methylthieno(2,3-d...	152	C7H8N2S	092204-06-3	38



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

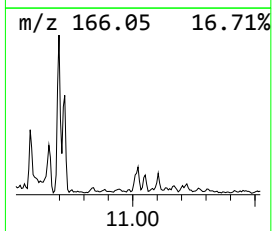
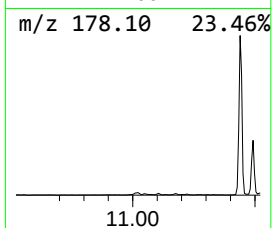
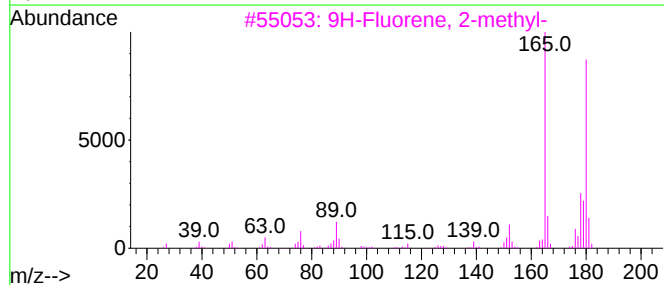
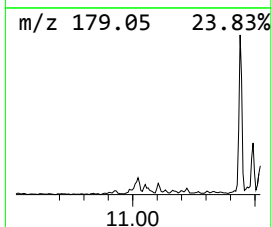
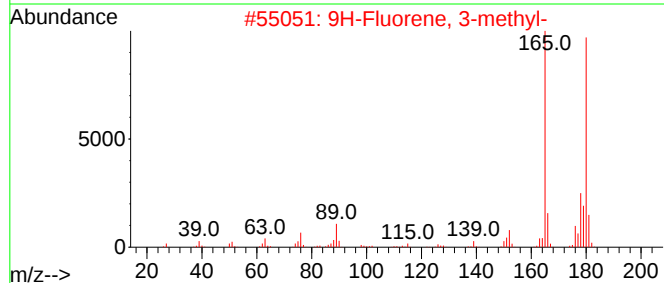
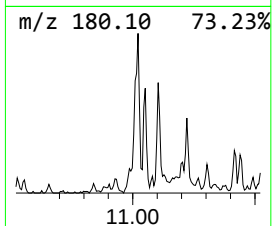
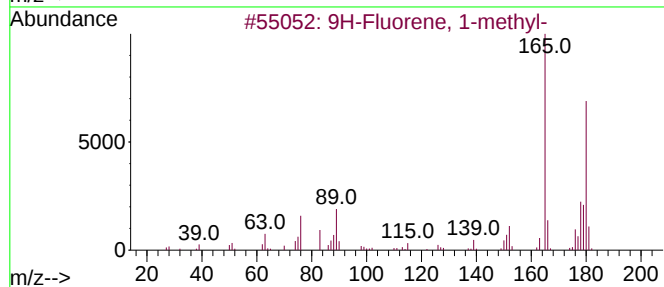
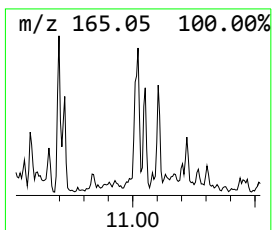
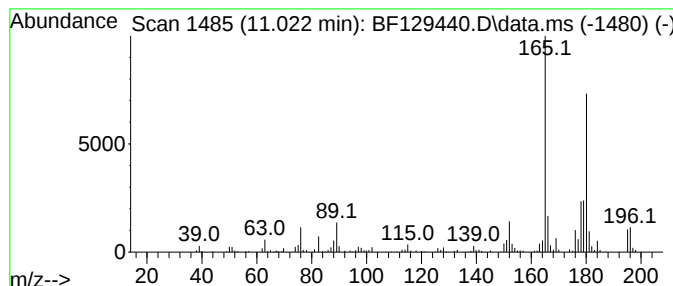
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 8 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD		R.T.	
11.022	2.04 ng	159047	Phenanthrene-d10		11.416	
Hit# of 5	Tentative ID		MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-		180	C14H12	001730-37-6	89
2	9H-Fluorene, 3-methyl-		180	C14H12	002523-39-9	89
3	9H-Fluorene, 2-methyl-		180	C14H12	001430-97-3	89
4	9H-Fluorene, 9-methyl-		180	C14H12	002523-37-7	76
5	(E)-Stilbene		180	C14H12	000103-30-0	64



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

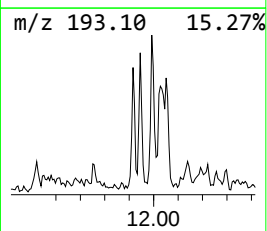
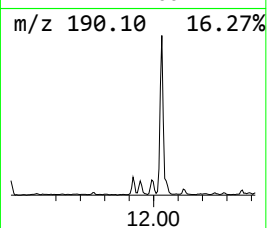
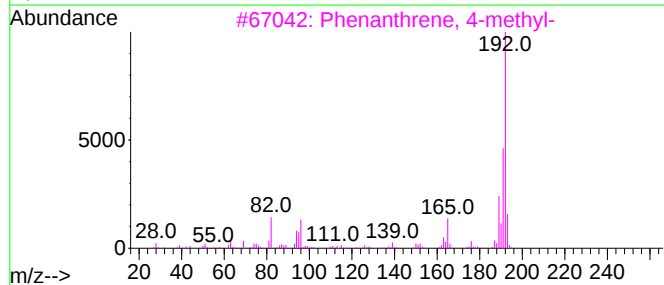
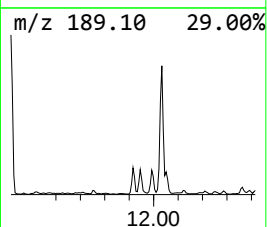
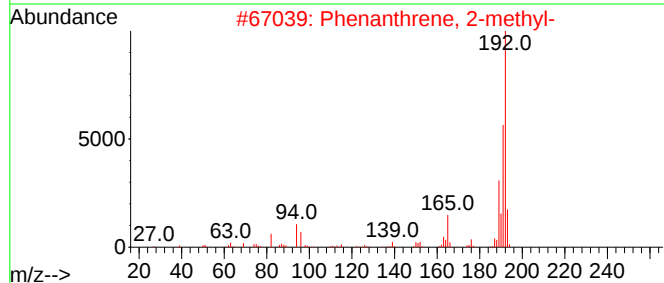
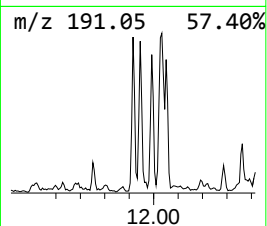
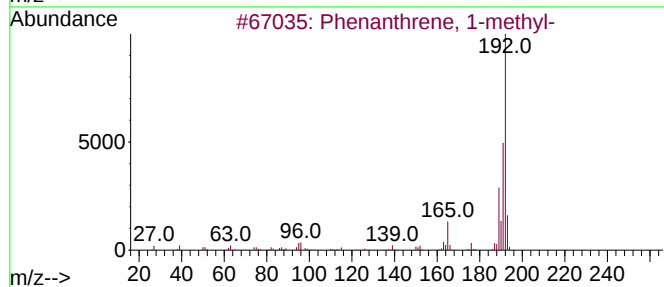
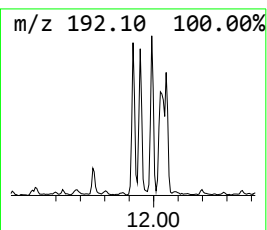
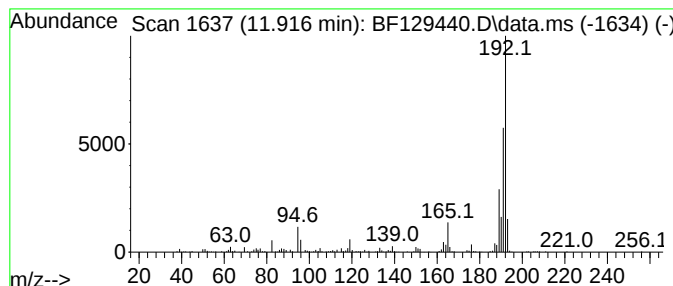
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 9 Phenanthrene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	2.58 ng	201395	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3			Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
4			Anthracene, 2-methyl-	192	C15H12	000613-12-7	91
5			Anthracene, 1-methyl-	192	C15H12	000610-48-0	91



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

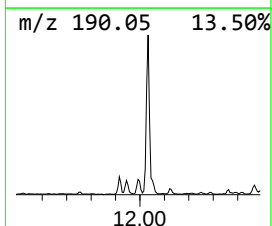
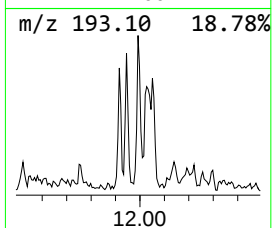
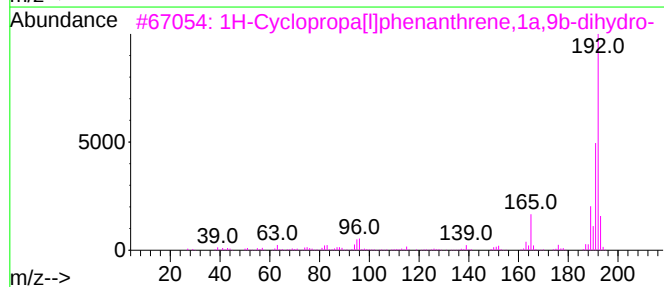
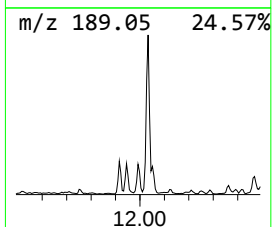
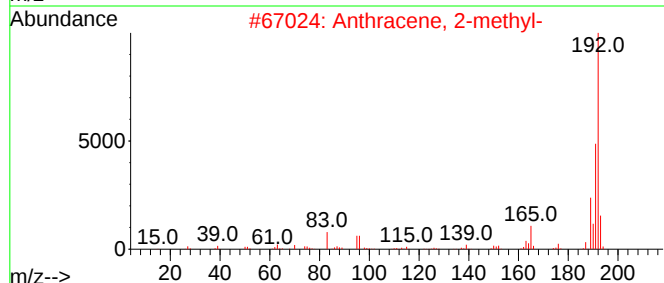
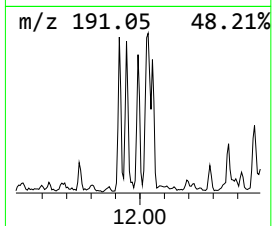
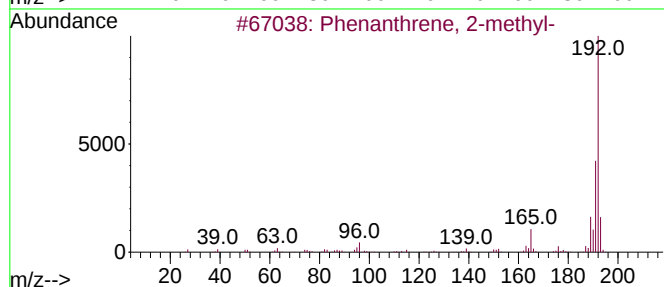
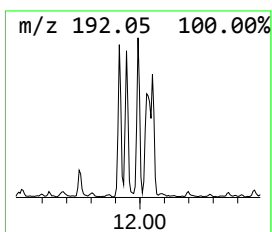
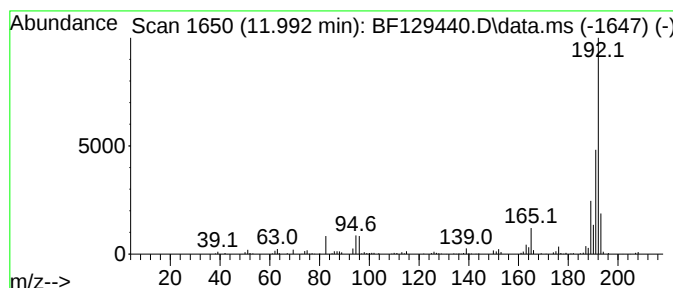
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 10 Phenanthrene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	2.02 ng	157543	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2			Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3			1H-Cyclopropa[1]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4			Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5			Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	94



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

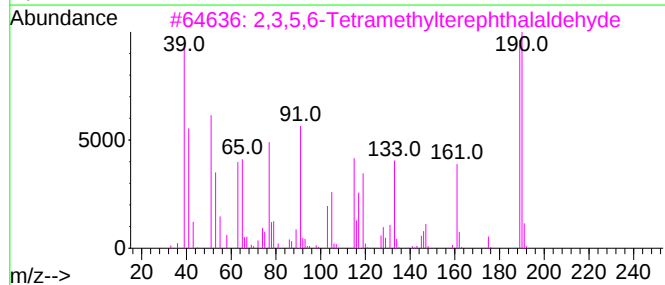
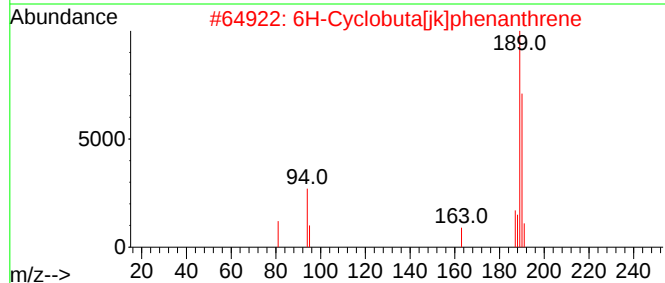
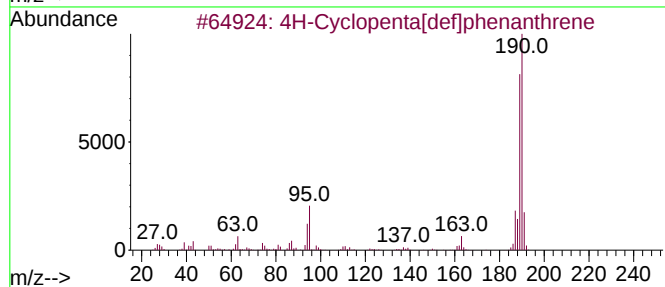
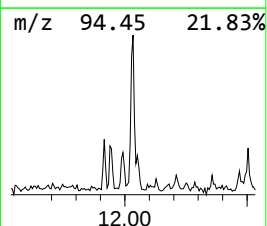
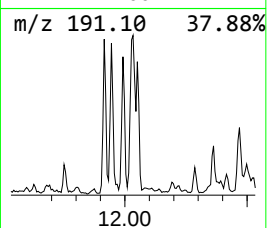
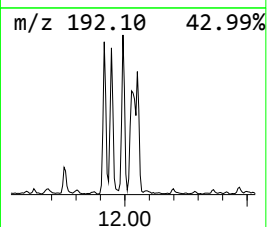
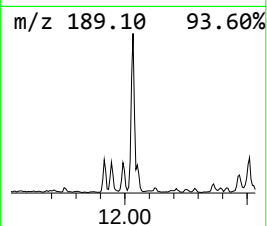
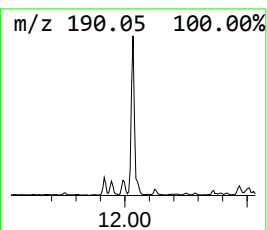
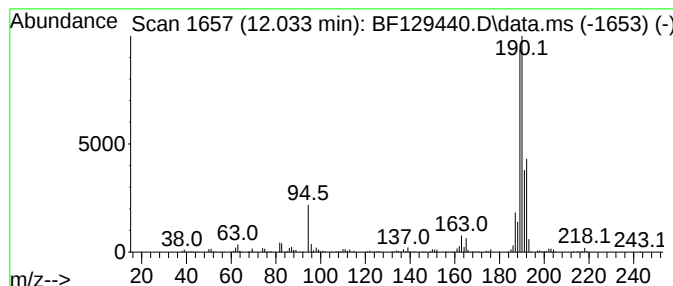
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 11 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.033	5.73 ng	447700	Phenanthrene-d10	11.416	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
5	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	36



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

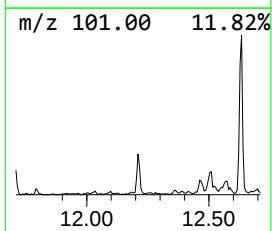
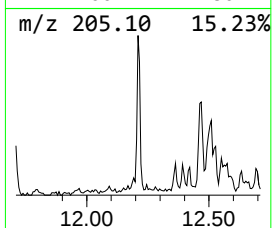
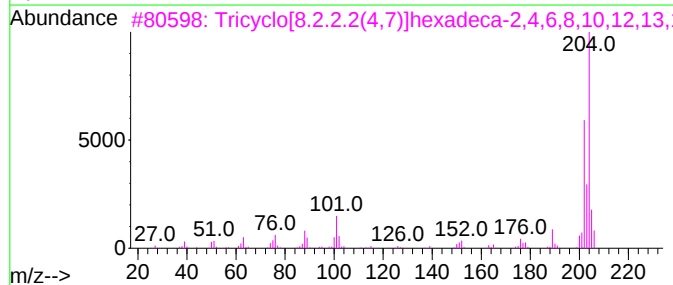
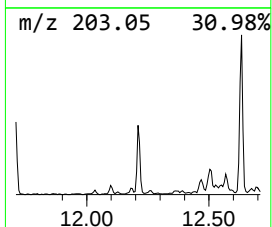
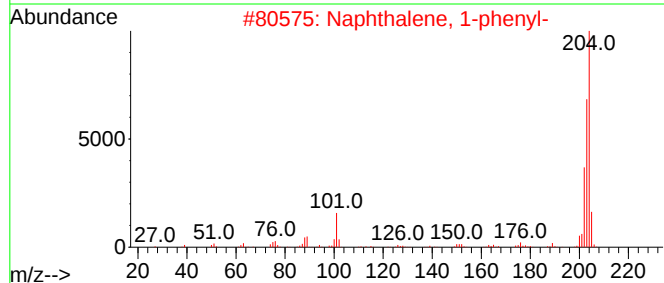
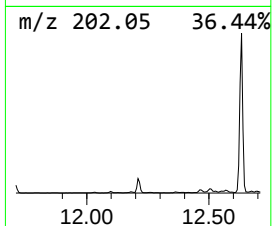
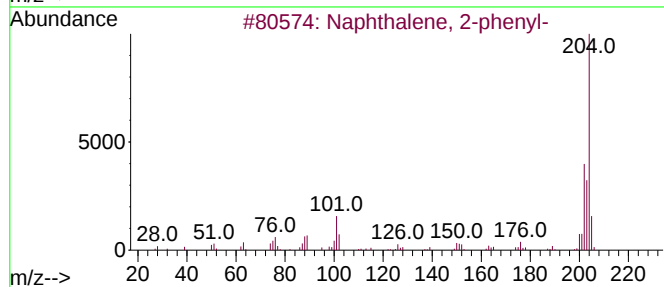
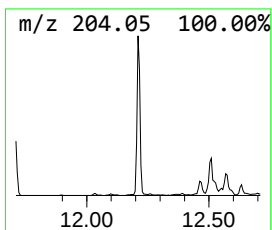
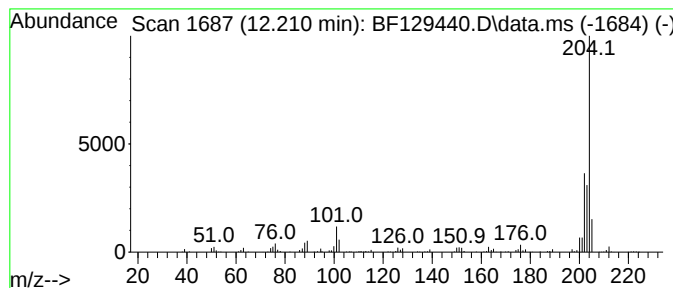
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	2.90 ng	226694	Phenanthrene-d10	11.416

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	96
2			Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	86
3			Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80
4			9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	53
5			[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	50



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

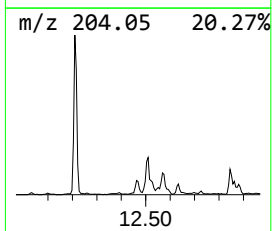
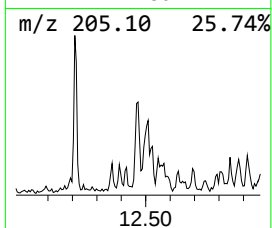
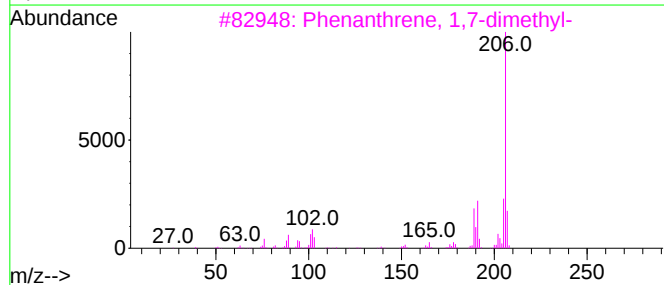
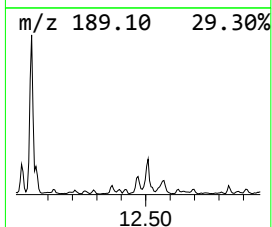
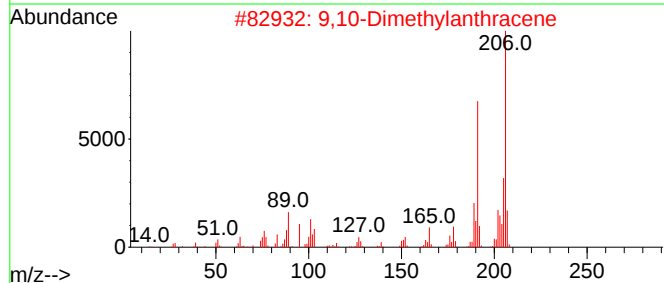
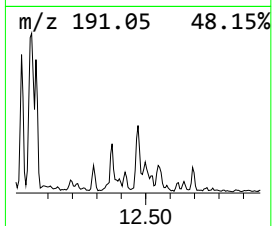
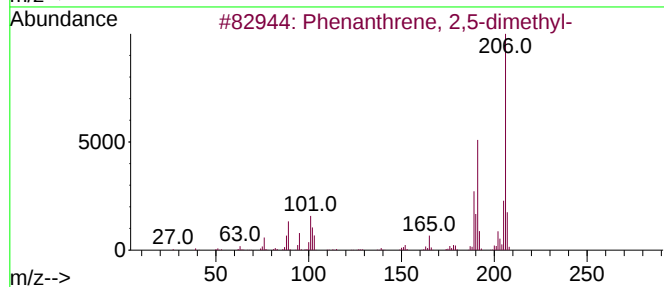
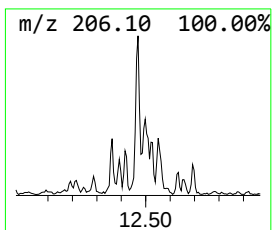
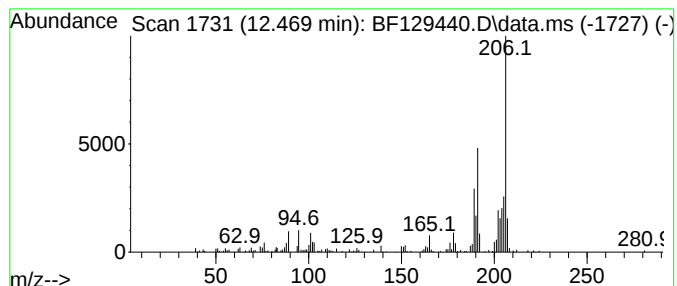
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 13 Phenanthrene, 2,5-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	2.15 ng	167546	Phenanthrene-d10	11.416

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2		9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
3		Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4		Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5		Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

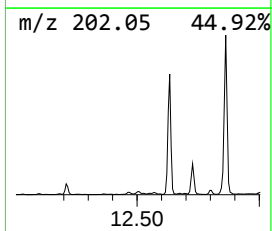
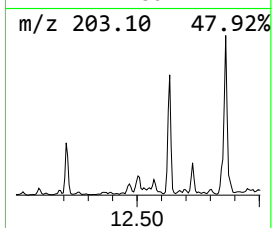
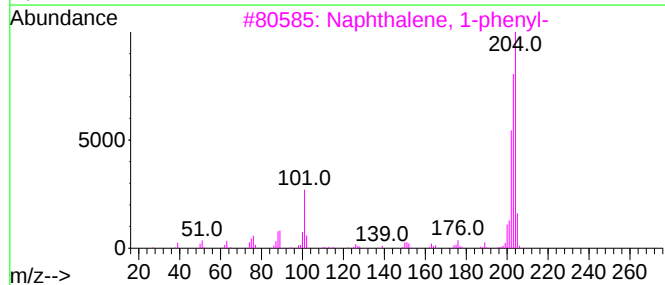
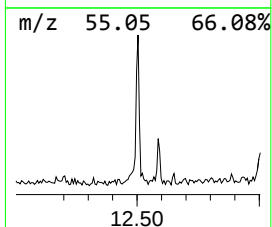
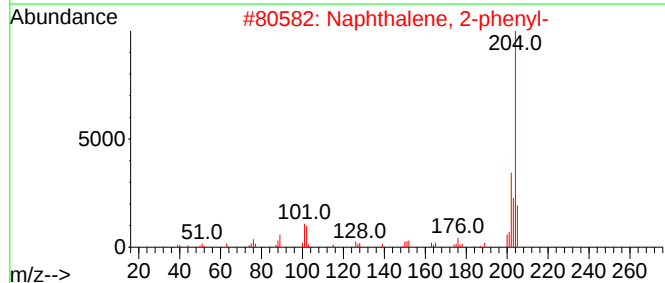
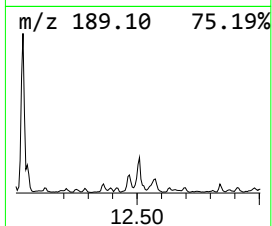
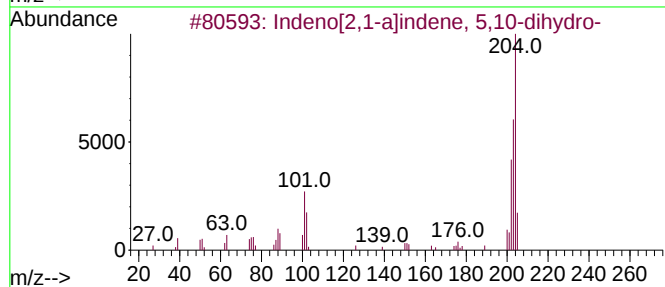
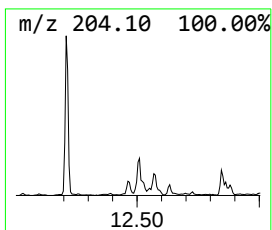
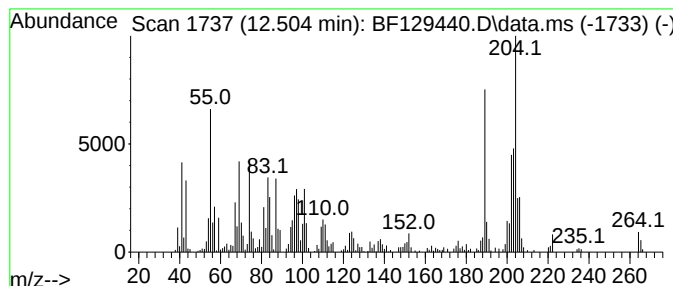
Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 14 Indeno[2,1-a]indene, 5,10-d... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.	
12.504	3.87 ng	302457	Phenanthrene-d10	11.416	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	70
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	47
4	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	46
5	Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	43



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

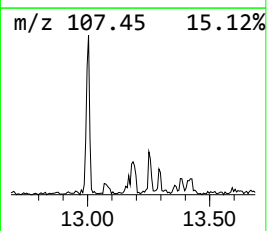
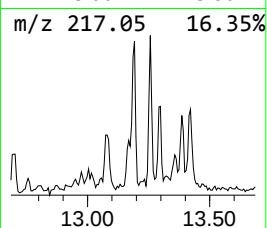
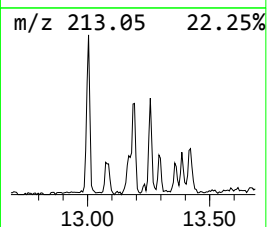
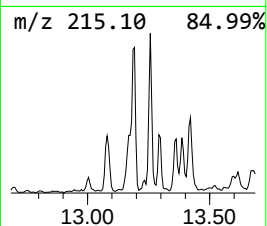
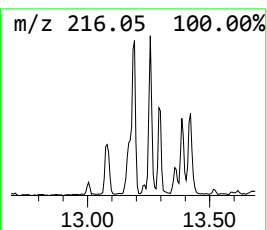
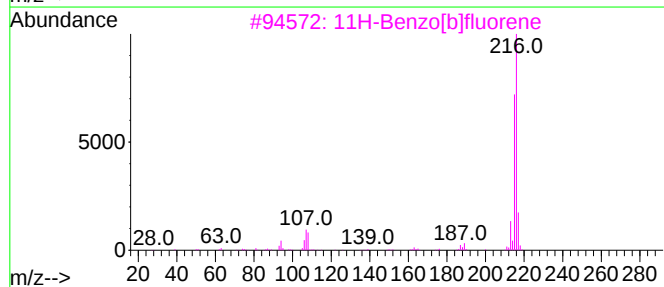
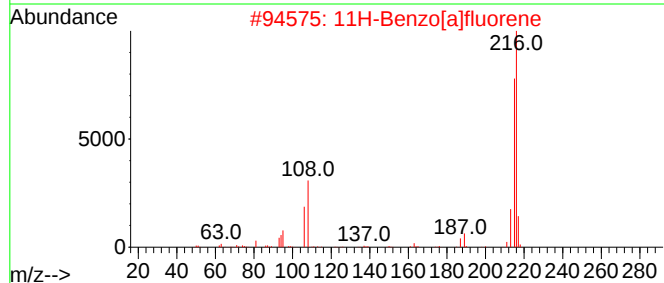
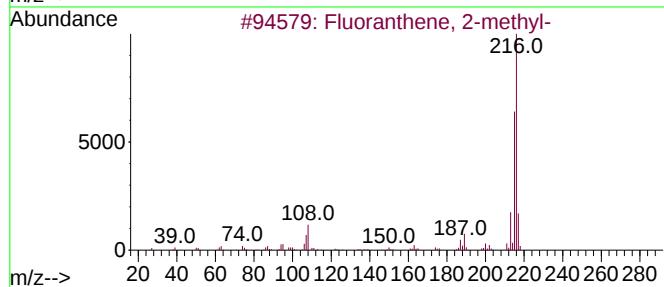
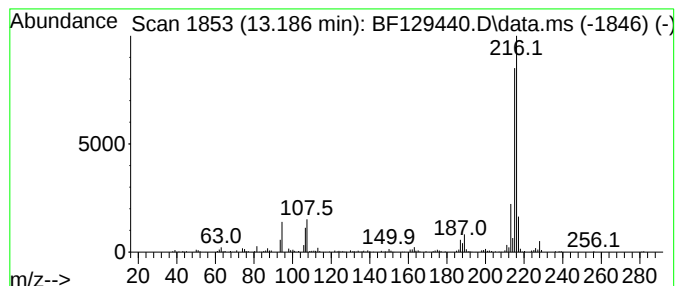
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 16 Fluoranthene, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.186	4.03 ng	277546	Chrysene-d12	14.063

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
4		Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5		Pyrene, 1-methyl-	216	C17H12	002381-21-7	87



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

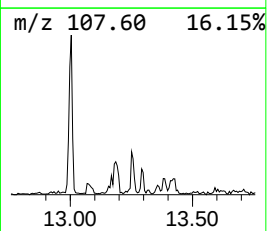
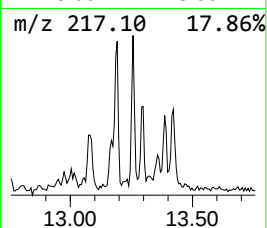
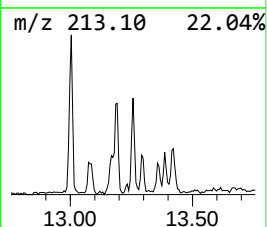
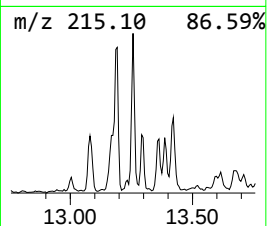
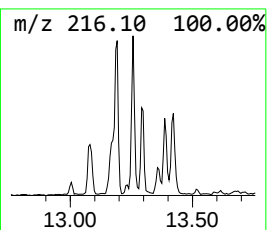
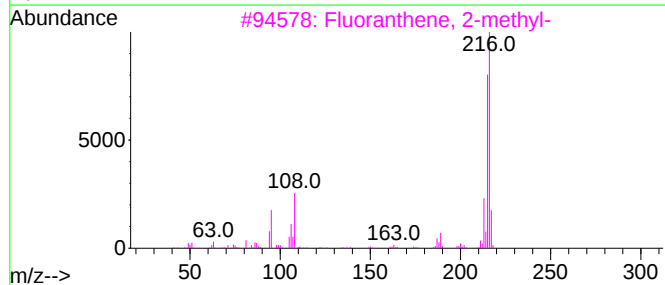
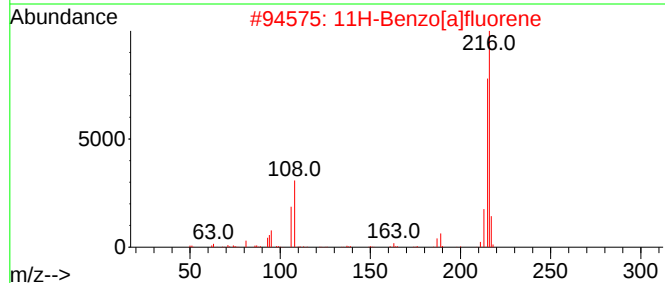
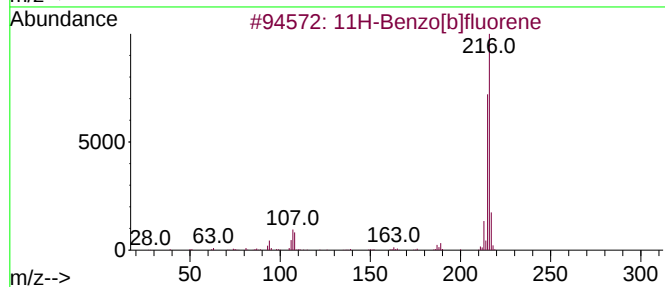
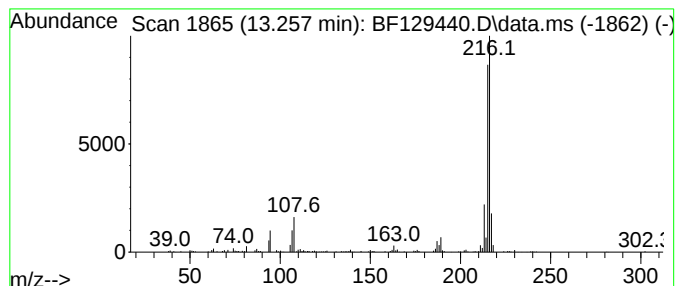
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.257	2.24 ng	154370	Chrysene-d12	14.063

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		11H-Benzo[b]fluorene	216	C17H12	000243-17-4	95
2		11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
3		Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	87
4		Pyrene, 1-methyl-	216	C17H12	002381-21-7	83
5		7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129440.D
Acq On : 29 Jul 2022 14:02
Operator : CG\JU
Sample : N3964-05
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-C

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Indene	7.140	5.5	ng	303515	1	6.881	1097220	20.0
Benzene, 1-buty...	7.910	2.1	ng	160675	2	8.169	1526660	20.0
Naphthalene, 1,...	9.504	3.2	ng	252970	3	9.928	1601400	20.0
Naphthalene, 2,...	9.581	3.5	ng	282178	3	9.928	1601400	20.0
Naphthalene, 1,...	9.698	2.5	ng	202297	3	9.928	1601400	20.0
Biphenylene	9.786	3.2	ng	255282	3	9.928	1601400	20.0
9H-Fluorene, 1-...	11.022	2.0	ng	159047	4	11.416	1561980	20.0
Phenanthrene, 1...	11.916	2.6	ng	201395	4	11.416	1561980	20.0
Phenanthrene, 2...	11.992	2.0	ng	157543	4	11.416	1561980	20.0
4H-Cyclopenta[d...	12.033	5.7	ng	447700	4	11.416	1561980	20.0
Naphthalene, 2-...	12.210	2.9	ng	226694	4	11.416	1561980	20.0
Phenanthrene, 2...	12.469	2.1	ng	167546	4	11.416	1561980	20.0
Indeno[2,1-a]in...	12.504	3.9	ng	302457	4	11.416	1561980	20.0
Fluoranthene, 2...	13.186	4.0	ng	277546	5	14.063	1378170	20.0
11H-Benzo[b]flu...	13.257	2.2	ng	154370	5	14.063	1378170	20.0