LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HMGP-SOIL-B

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: BF129461.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.128	480	483	491	rVB	43958	58527	1.11%	0.105%
2	5.369	521	524	528	rBV	89132	85098	1.62%	0.153%
3	5.475	537	542	546	rBV	212641	277677	5.28%	0.498%
4	5.522	546	550	553	rVB	4720449	4376134	83.25%	7.847%
5	5.734	582	586	590	rBV	102419	94840	1.80%	0.170%
6	6.157	656	658	662	rVB	85923	71980	1.37%	0.129%
7	6.404	697	700	703	rBV	79685	65496	1.25%	0.117%
8	6.481	710	713	716	rVB	120126	88118	1.68%	0.158%
9	6.534	716	722	724	rBV	4110640	4513614	85.86%	8.093%
10	6.563	725	727	735	rVB3	42707	69001	1.31%	0.124%
11	6.704	748	751	755	rBV	260954	204649	3.89%	0.367%
12	6.881	778	781	785	rBV	1217455	1052113	20.01%	1.886%
13	6.939	787	791	792	rVV	72298	66584	1.27%	0.119%
14	6.975	795	797	802	rVB	92879	79037	1.50%	0.142%
15	7.063	809	812	815	rVB	132315	108377	2.06%	0.194%
16	7.139	821	825	830	rVB	526839	481077	9.15%	0.863%
17	7.198	830	835	842	rVB	59487	59128	1.12%	0.106%
18	7.451	873	878	881	rBV	3179945	2927554	55.69%	5.249%
19	7.910	947	956	960	rBV4	233025	330101	6.28%	0.592%
20	7.951	960	963	967	rVB	166007	222877	4.24%	0.400%
21	8.034	974	977	980	rBV	79203	67487	1.28%	0.121%
22	8.169	996	1000	1001	rBV	1474201	1368312	26.03%	2.453%
23	8.192	1001	1004	1007	rVV	5991114	5256768	100.00%	9.426%
24	8.239	1009	1012	1018	rVB	136558	116048	2.21%	0.208%
25	8.669	1083	1085	1090	rVB5	40849	58162	1.11%	0.104%
26	8.880	1117	1121	1124	rBV	1575076	1309886	24.92%	2.349%
27	8.981	1133	1138	1141	rBV	1473615	1266561	24.09%	2.271%
28	9.245	1177	1183	1186	rBV	4936846	4665525	88.75%	8.365%
29	9.316	1192	1195	1197	rBV	92009	89899	1.71%	0.161%
30	9.339	1197	1199	1204	rVB	456043	381481	7.26%	0.684%
31	9.439	1210	1216	1222	rVB	150947	238570	4.54%	0.428%
32	9.504	1223	1227	1231	rBV	270756	355269	6.76%	0.637%
33	9.580	1236	1240	1242	rBV	443190	429799	8.18%	0.771%
34	9.604	1242	1244	1249	rVB2	211911	197671	3.76%	0.354%
35	9.698	1257	1260	1262	rBV	201572	168351	3.20%	0.302%
36	9.780	1271	1274	1277	rBV2	432717	403787	7.68%	0.724%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : HMGP-SOIL-B

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	9.828	1280	1282	1287	rVB5	80938	77138	1.47%	0.138%
38	9.904	1291	1295	1296	rBV	168886	170820	3.25%	0.306%
39	9.922	1296	1298	1301	rVV	1391617	1194235	22.72%	2.141%
40	9.957	1301	1304	1307	rVB	1006925	775528	14.75%	1.391%
41	10.022	1312	1315	1320	rVB	65358	88006	1.67%	0.158%
42	10.127	1329	1333	1337	rVB2	254405	242473	4.61%	0.435%
43	10.163	1337	1339	1343	rVB	108101	89627	1.70%	0.161%
44	10.233	1347	1351	1354	rBV2	127891	164524	3.13%	0.295%
45	10.327	1363	1367	1369	rBV2	116718	164043	3.12%	0.294%
46	10.380	1373	1376	1378	rBV	129497	116269	2.21%	0.208%
47	10.445	1385	1387	1388	rBV	95209	64477	1.23%	0.116%
48	10.475	1388	1392	1398	rVB	659043	644787	12.27%	1.156%
49	10.580	1408	1410	1413	rBV	88692	77867	1.48%	0.140%
50	10.627	1416	1418	1421	rVB	71842	59773	1.14%	0.107%
51	10.716	1426	1433	1437	rBV2	2487656	2350859	44.72%	4.215%
52	10.833	1447	1453	1459	rVB6	80407	137126	2.61%	0.246%
53	11.022	1480	1485	1487	rBV	148159	179194	3.41%	0.321%
54	11.051	1487	1490	1492	rVB	85690	73051	1.39%	0.131%
55	11.104	1496	1499	1502	rVB	111688	88990	1.69%	0.160%
56	11.151	1502	1507	1508	rBV3	44218	62383	1.19%	0.112%
57	11.310	1529	1534	1537	rVB3	89704	102730	1.95%	0.184%
58	11.416	1548	1552	1554	rBV	1158978	1029666	19.59%	1.846%
59	11.439	1554	1556	1559	rVV	1900965	1461939	27.81%	2.621%
60	11.492	1560	1565	1567	rVV	581047	508673	9.68%	0.912%
61	11.527	1567	1571	1573	rVV3	120086	144518	2.75%	0.259%
62	11.569	1576	1578	1584	rVB6	41529	64138	1.22%	0.115%
63	11.645	1588	1591	1594	rBV	104238	106312	2.02%	0.191%
64	11.710	1600	1602	1604	rVB	110063	82920	1.58%	0.149%
65	11.751	1606	1609	1614	rVV4	62202	82982	1.58%	0.149%
66	11.822	1618	1621	1625	rVB2	41694	62522	1.19%	0.112%
67	11.916	1634	1637	1640	rBV	249297	240822	4.58%	0.432%
68	11.945	1640	1642	1645	rVB	244621	185429	3.53%	0.332%
69	11.992	1647	1650	1653	rBV	217640	176179	3.35%	0.316%
70	12.033	1653	1657	1659	rBV	467879	511490	9.73%	0.917%
71	12.210	1684	1687	1690	rVB	269872	234553	4.46%	0.421%
72	12.469	1727	1731	1733	rBV	196784	209933	3.99%	0.376%
73	12.504	1733	1737	1739	rVV3	171851	237625	4.52%	0.426%
74	12.563	1743	1747	1750	rBV3	73256	134601	2.56%	0.241%
75	12.633	1755	1759	1762	rBV	1283580	1075856	20.47%	1.929%
76	12.727	1772	1775	1778	rBV	295267	227731	4.33%	0.408%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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	12.804	1786	1788	1791	rVB	69977	61897	1.18%	0.111%
78	12.863	1792	1798	1804	rVV	1582584	1526698	29.04%	2.737%
79	12.916	1804	1807	1810	rVV2	71799	76596	1.46%	0.137%
80	13.004	1818	1822	1825	rBV	3820077	3317178	63.10%	5.948%
81	13.074	1831	1834	1840	rBV2	123556	196757	3.74%	0.353%
82	13.192	1847	1854	1856	rVB	313458	416615	7.93%	0.747%
83	13.257	1862	1865	1868	rVB2	276431	213092	4.05%	0.382%
84	13.292	1868	1871	1874	rBV	162651	154855	2.95%	0.278%
85	13.357	1879	1882	1885	rBV2	87676	114396	2.18%	0.205%
86	13.386	1885	1887	1890	rBV	117465	94669	1.80%	0.170%
87	13.421	1890	1893	1895	rBV	180406	166575	3.17%	0.299%
88	13.839	1962	1964	1966	rBV	123434	92448	1.76%	0.166%
89	14.063	1997	2002	2005	rBV2	1369186	1781045	33.88%	3.193%
90	14.086	2005	2006	2014	rVB	495003	447080	8.50%	0.802%
91	15.121	2179	2182	2188	rVB	200480	324225	6.17%	0.581%
92	15.427	2232	2234	2239	rVB	170360	185737	3.53%	0.333%
93	15.492	2242	2245	2251	rVB	305266	381749	7.26%	0.684%
94	15.562	2252	2257	2261	rBV	687404	912548	17.36%	1.636%

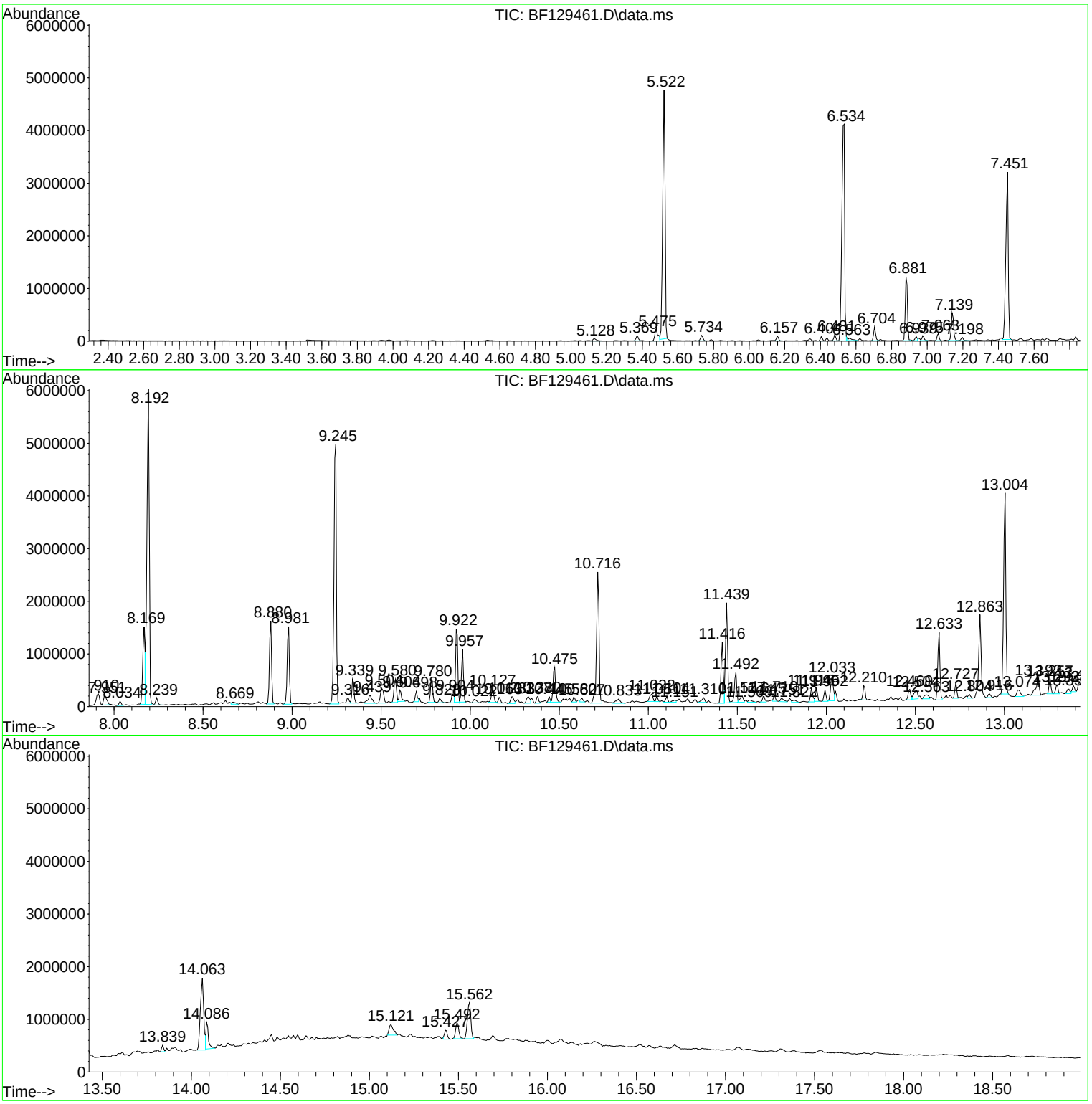
Sum of corrected areas: 55771507

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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 : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

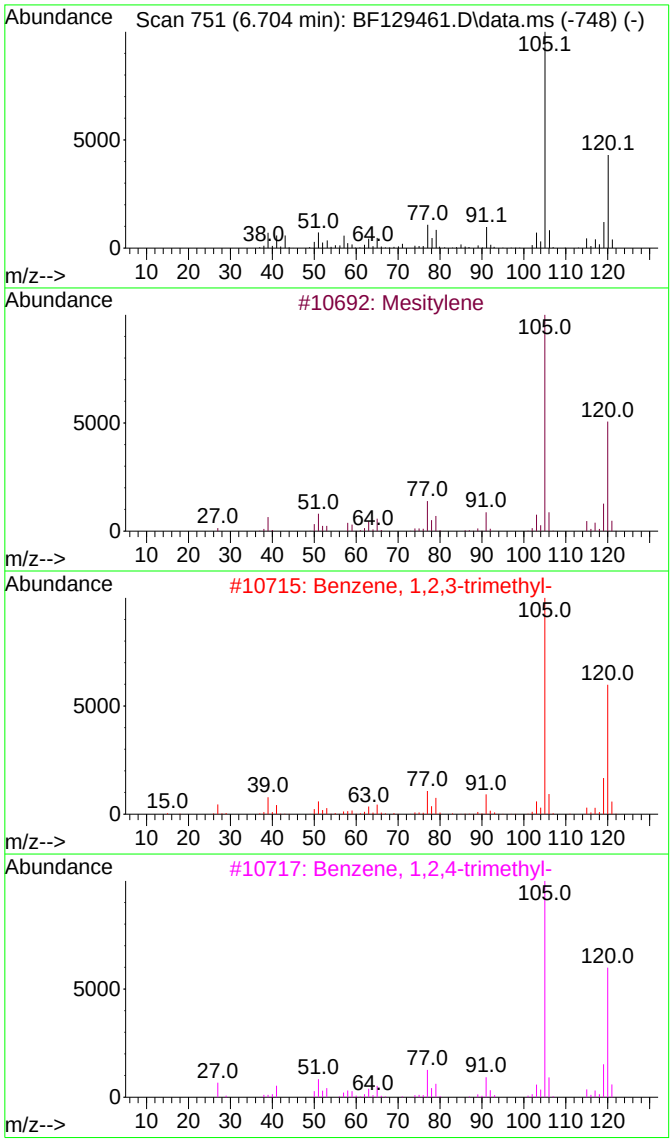
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

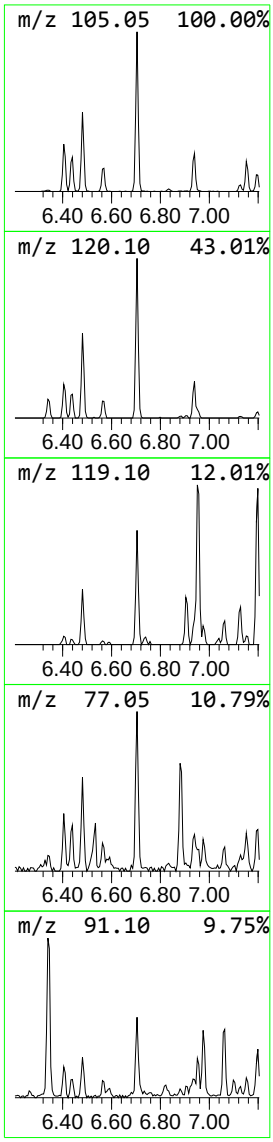
****

Peak Number 1 Mesitylene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.704	3.89 ng	204649	1,4-Dichlorobenzene-d4	6.881

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	97
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	97
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	94
4	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	90
5	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

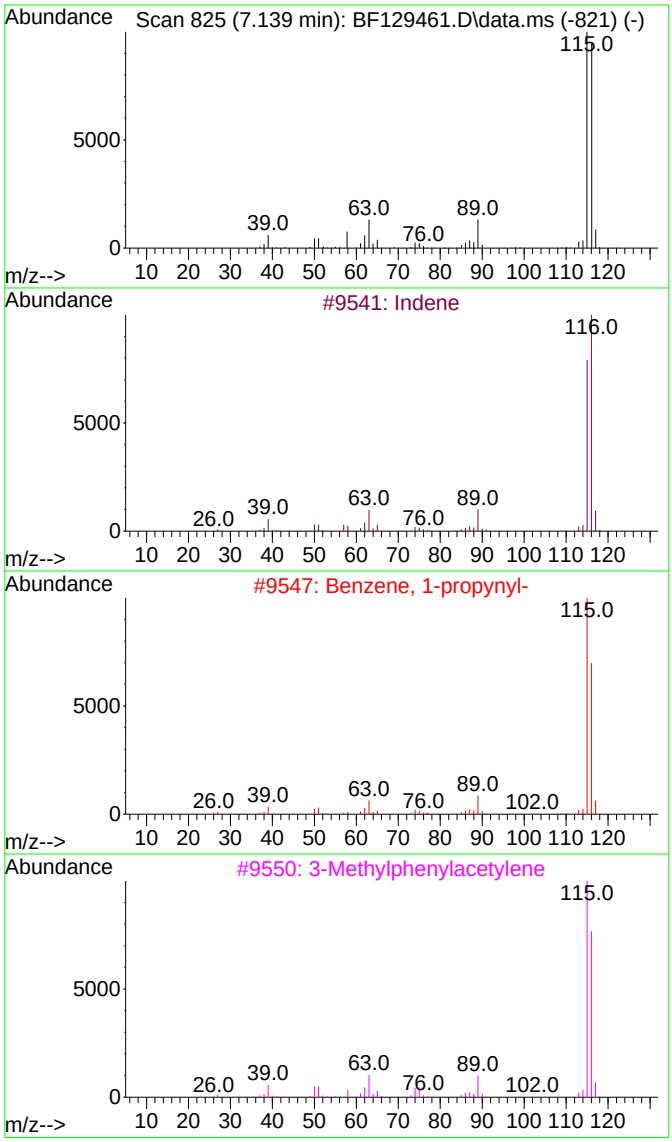
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

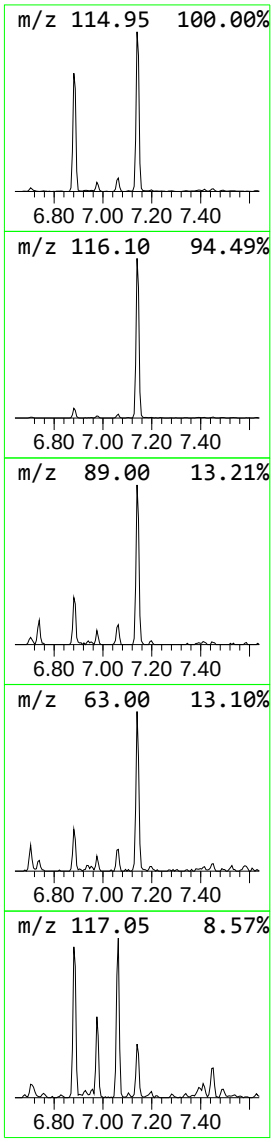
****

Peak Number 2 Indene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.139	9.14 ng	481077	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	95
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	94
4	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
5	Benzene, 1,2-propadienyl-	116	C9H8	002327-99-3	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

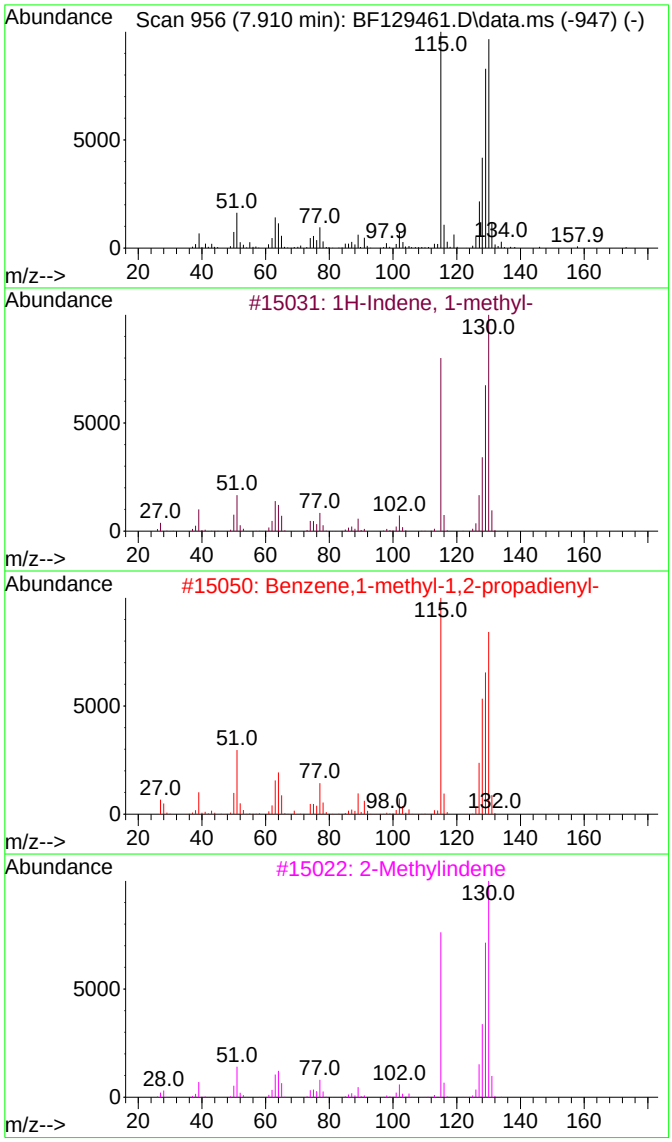
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

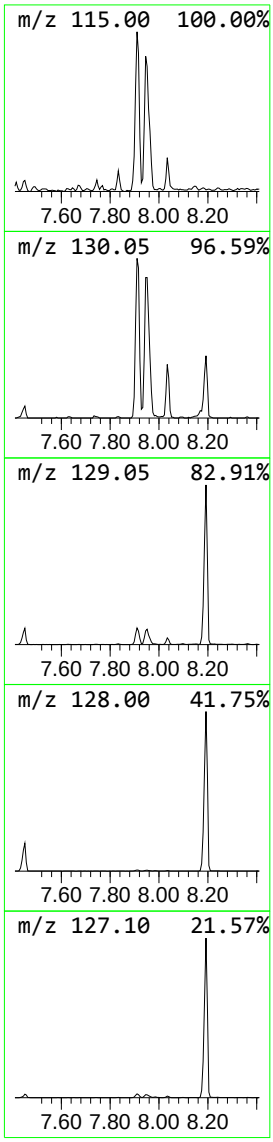
****

Peak Number 3 1H-Indene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.910	4.82 ng	330101	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	97
2	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
3	2-Methylindene	130	C10H10	002177-47-1	96
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	93
5	Benzene, 1-butynyl-	130	C10H10	000622-76-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

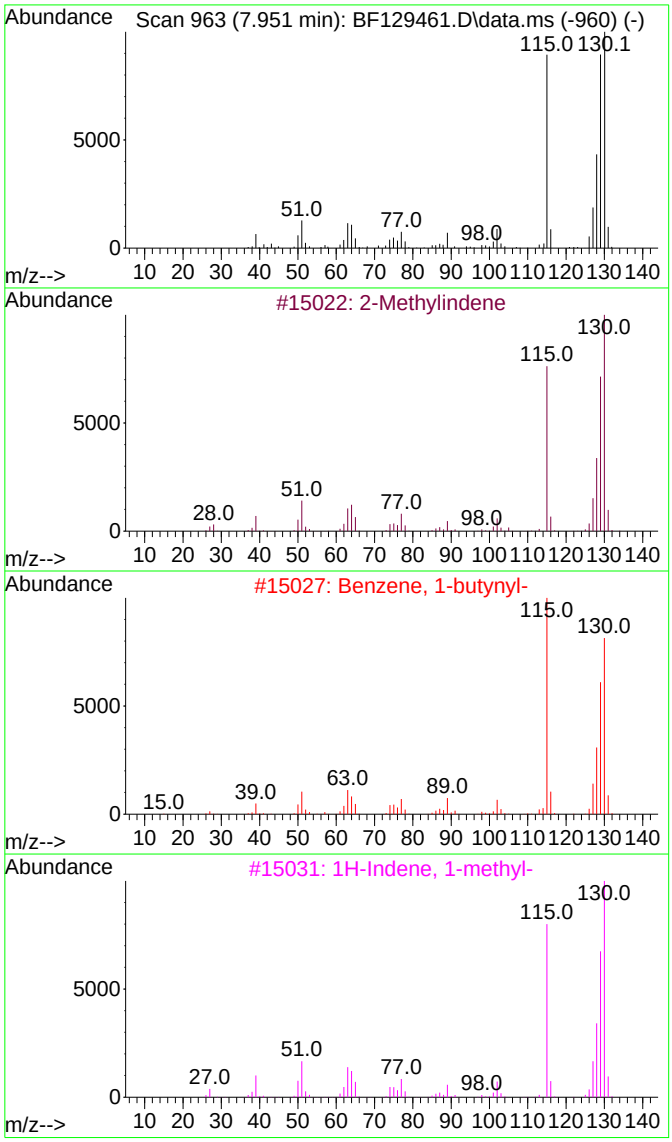
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

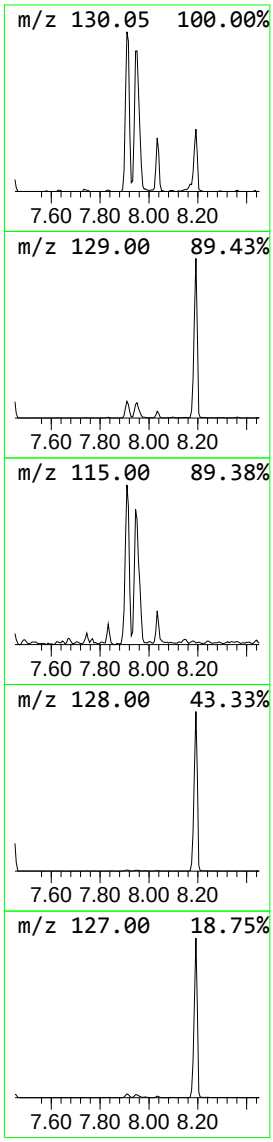
****

Peak Number 4 2-Methylindene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.951	3.26 ng	222877	Naphthalene-d8	8.169

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	Benzene, 1-butynyl-	130	C10H10	000622-76-4	95
3	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	95
4	Cycloprop[a]indene, 1,1a,6,6a-te...	130	C10H10	015677-15-3	95
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

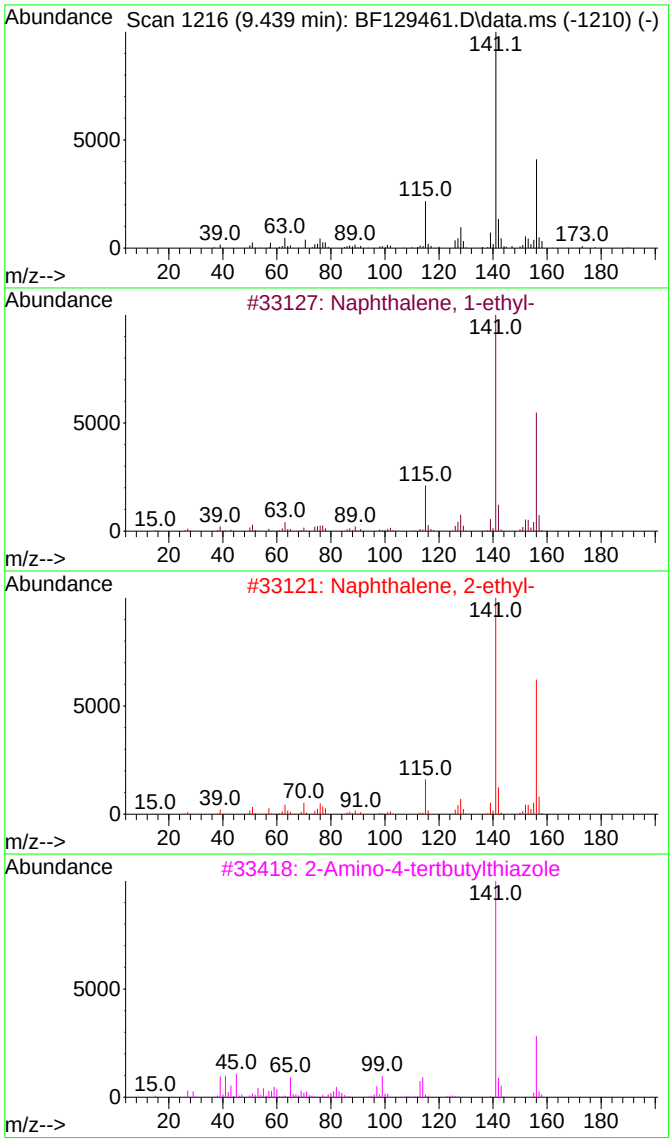
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

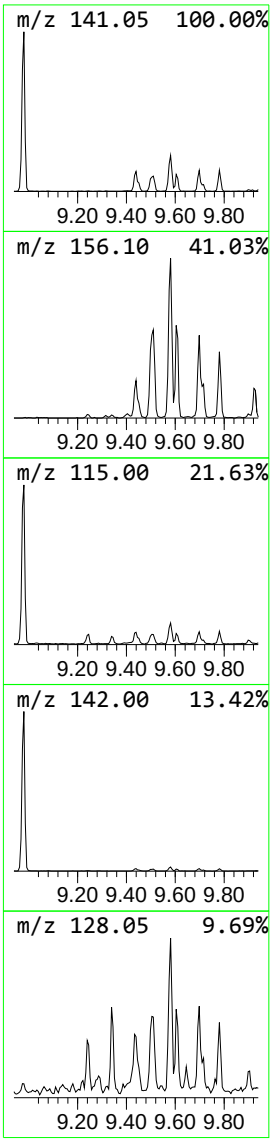
****

Peak Number 5 Naphthalene, 1-ethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.439	4.00 ng	238570	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-ethyl-	156	C12H12	001127-76-0	96
2	Naphthalene, 2-ethyl-	156	C12H12	000939-27-5	95
3	2-Amino-4-tertbutylthiazole	156	C7H12N2S	074370-93-7	59
4	2',5'-Difluoroacetophenone	156	C8H6F2O	001979-36-8	53
5	5-Acetyl-2-amino-4-methylthiazole	156	C6H8N2OS	030748-47-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

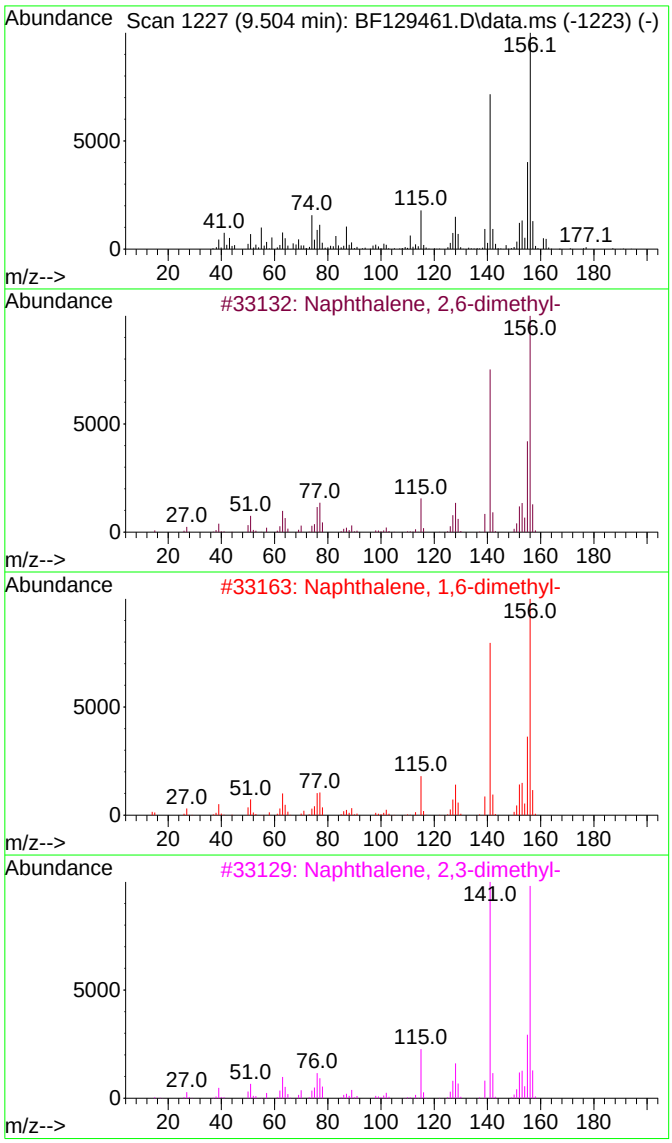
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

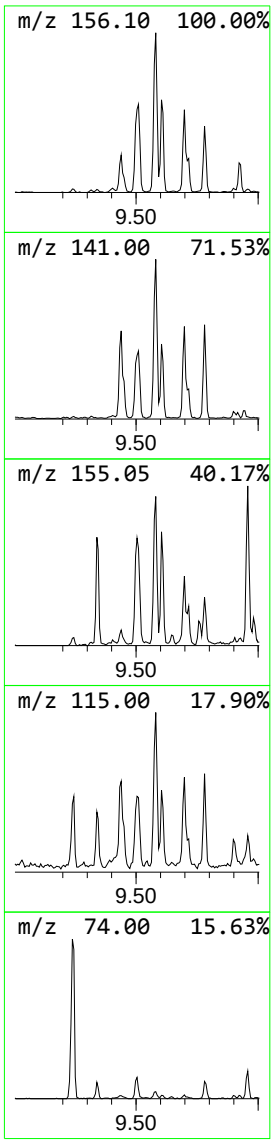
****

Peak Number 6 Naphthalene, 2,6-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.504	5.95 ng	355269	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

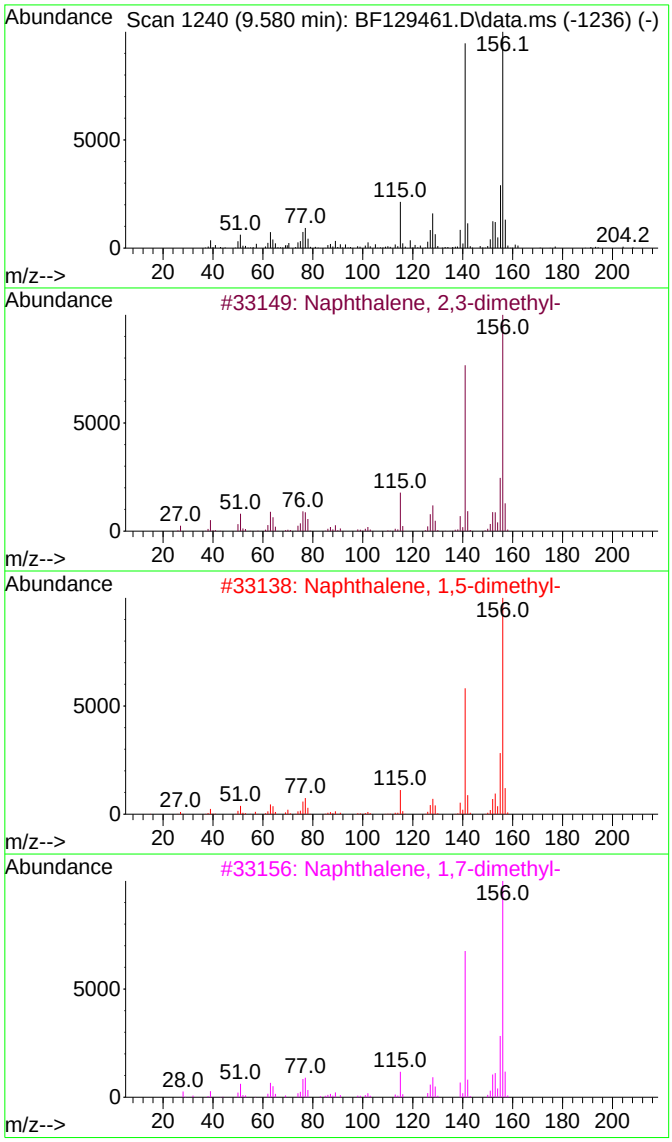
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

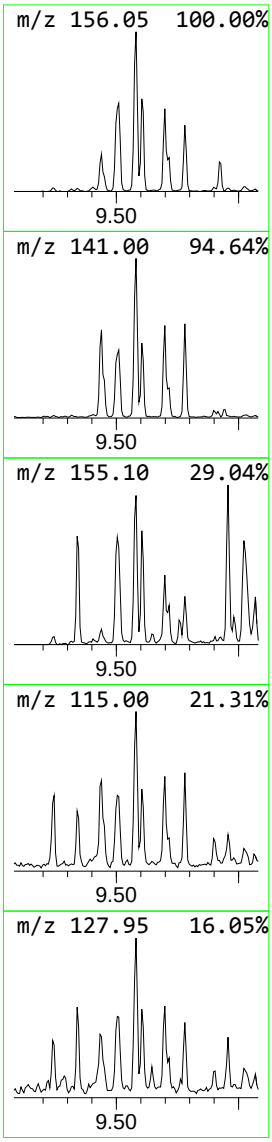
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.580	7.20 ng	429799	Acenaphthene-d10	9.922

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, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
5	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

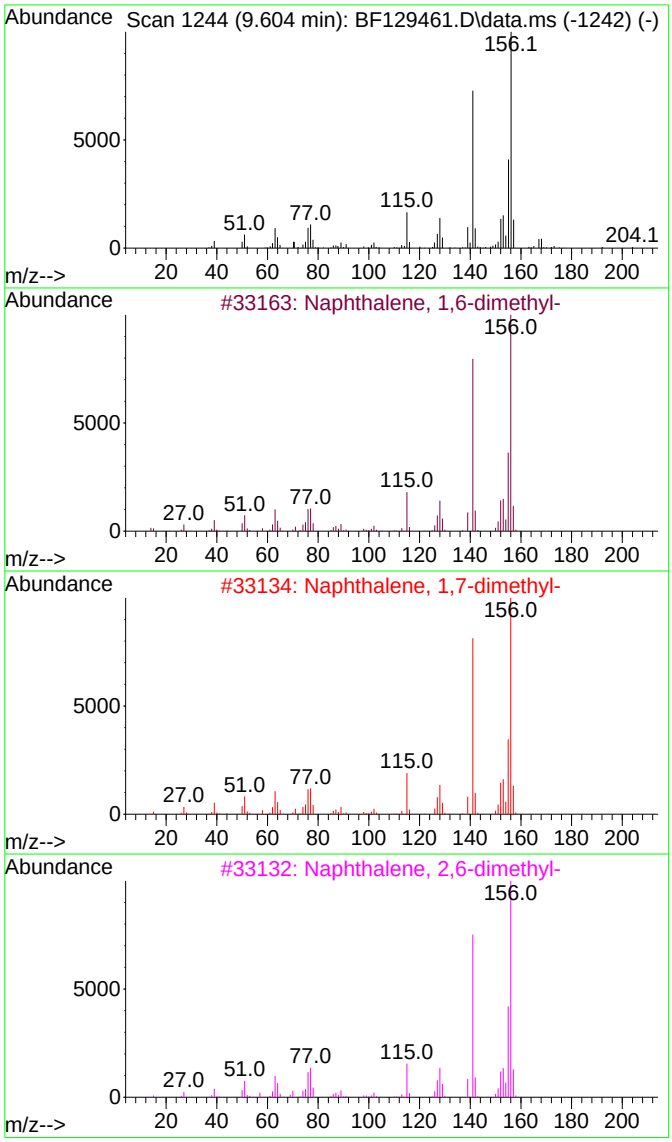
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

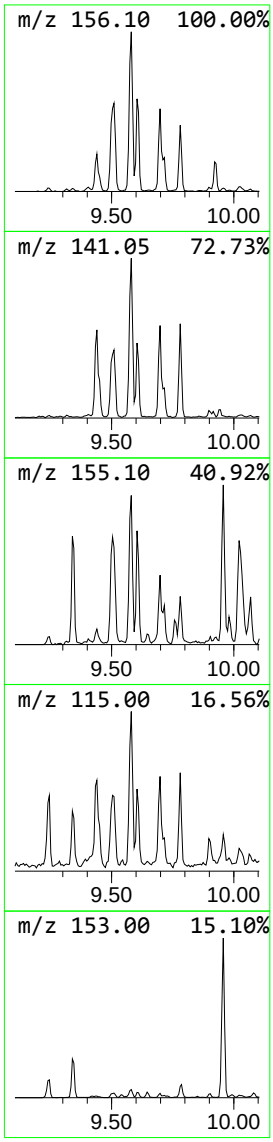
****

Peak Number 8 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.604	3.31 ng	197671	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
3	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

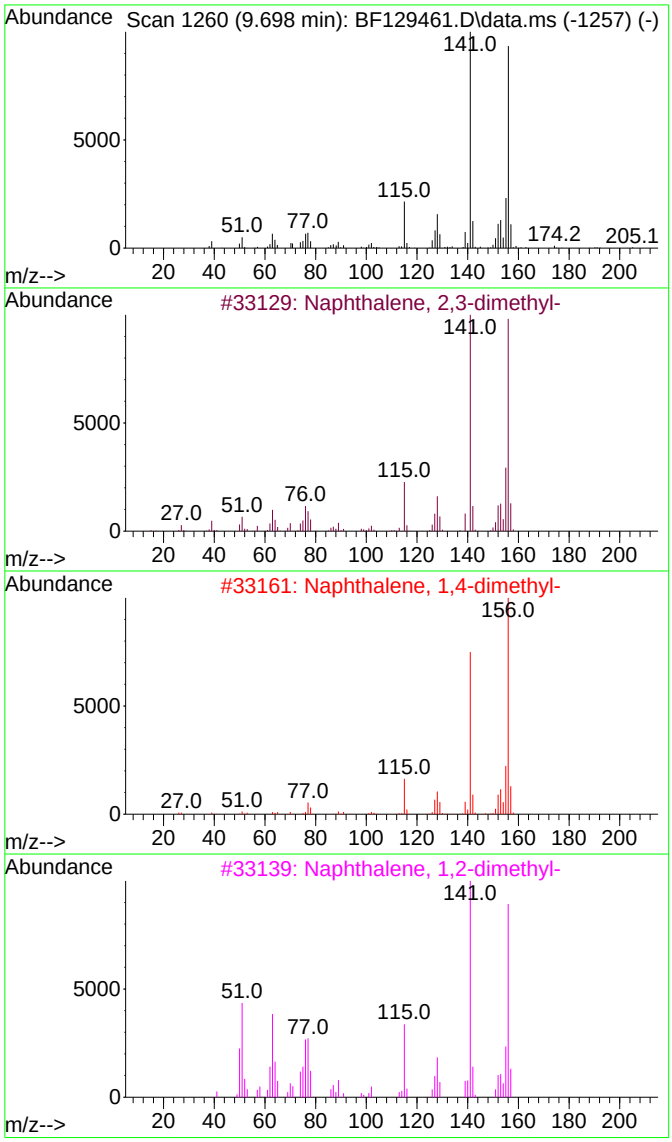
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

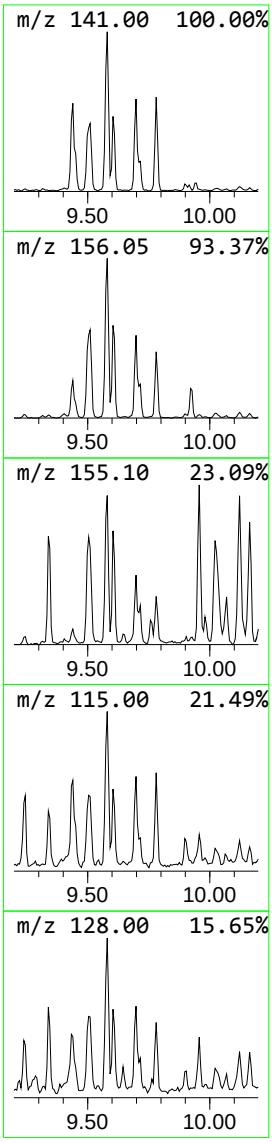
****

Peak Number 9 Naphthalene, 1,4-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.698	2.82 ng	168351	Acenaphthene-d10	9.922

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
4	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

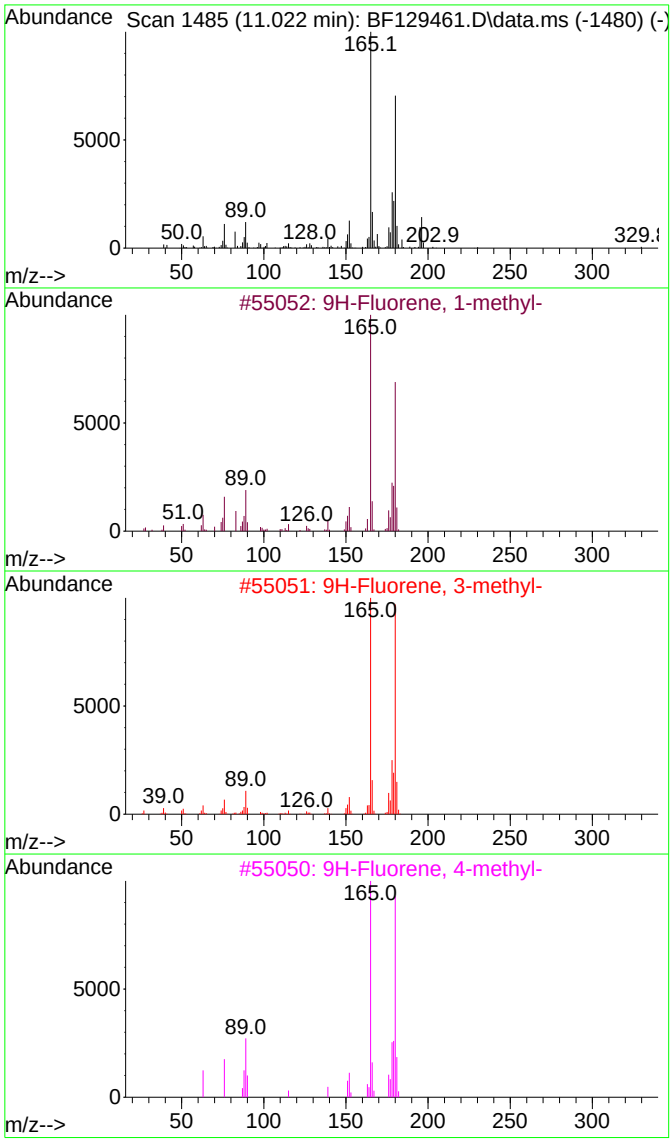
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

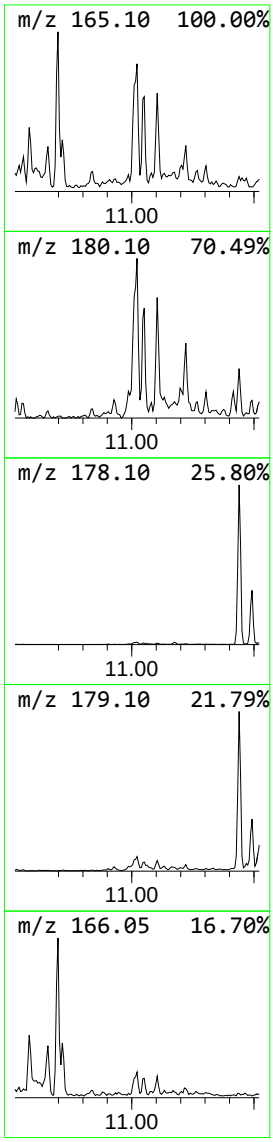
****

Peak Number 10 9H-Fluorene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.022	3.48 ng	179194	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
2	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
4	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	89
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

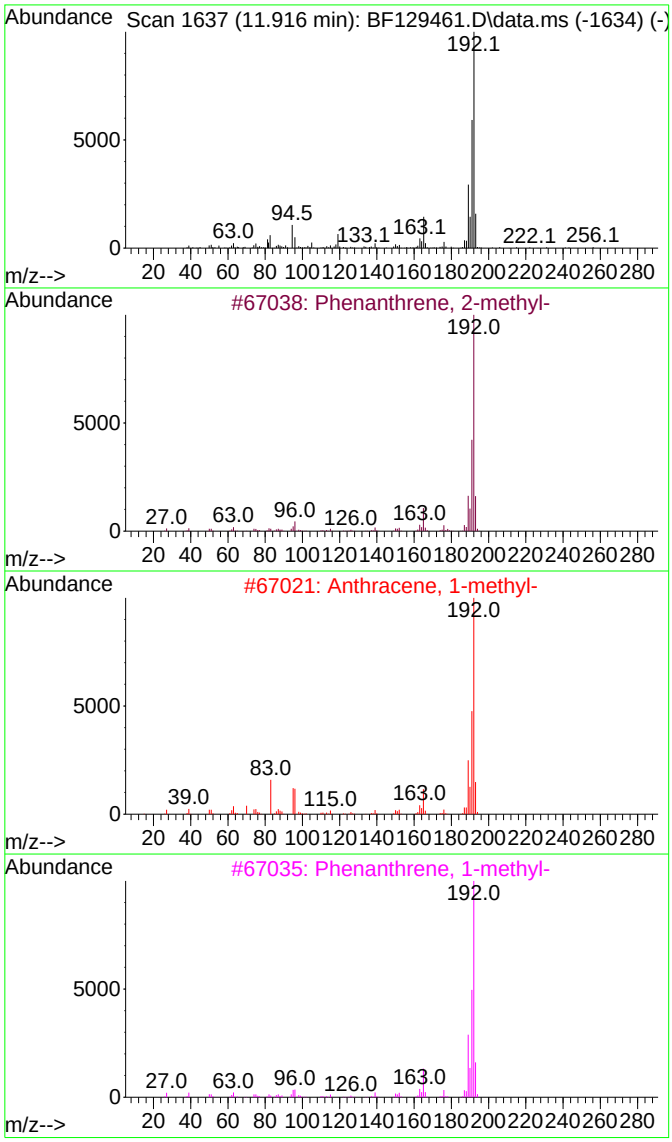
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

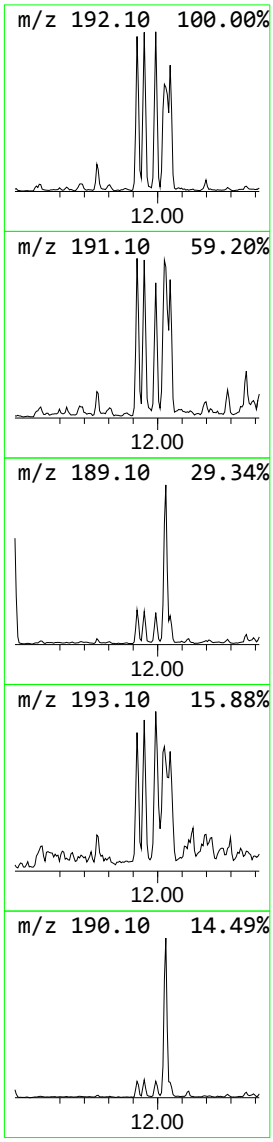
****

Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.916	4.68 ng	240822	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	91
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

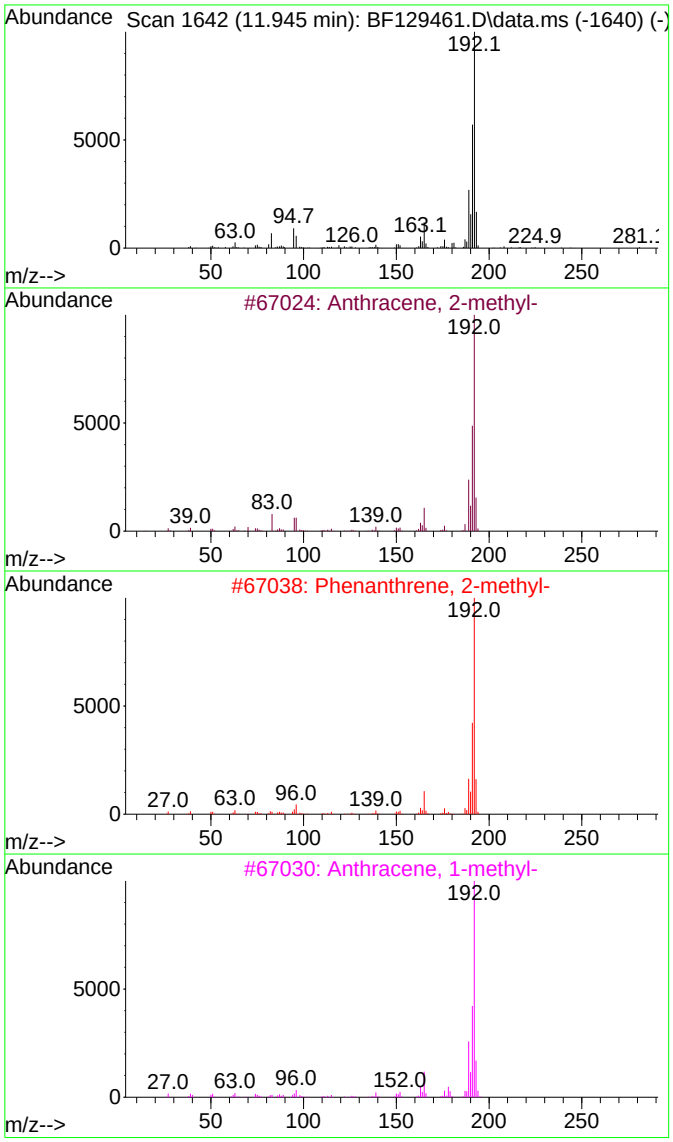
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

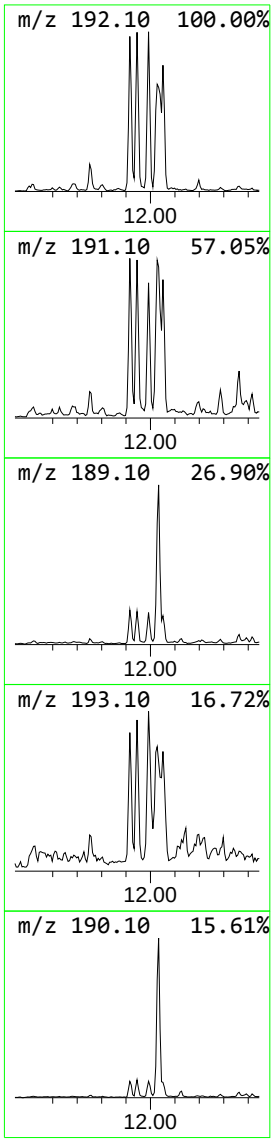
****

Peak Number 12 Anthracene, 2-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	3.60 ng	185429	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

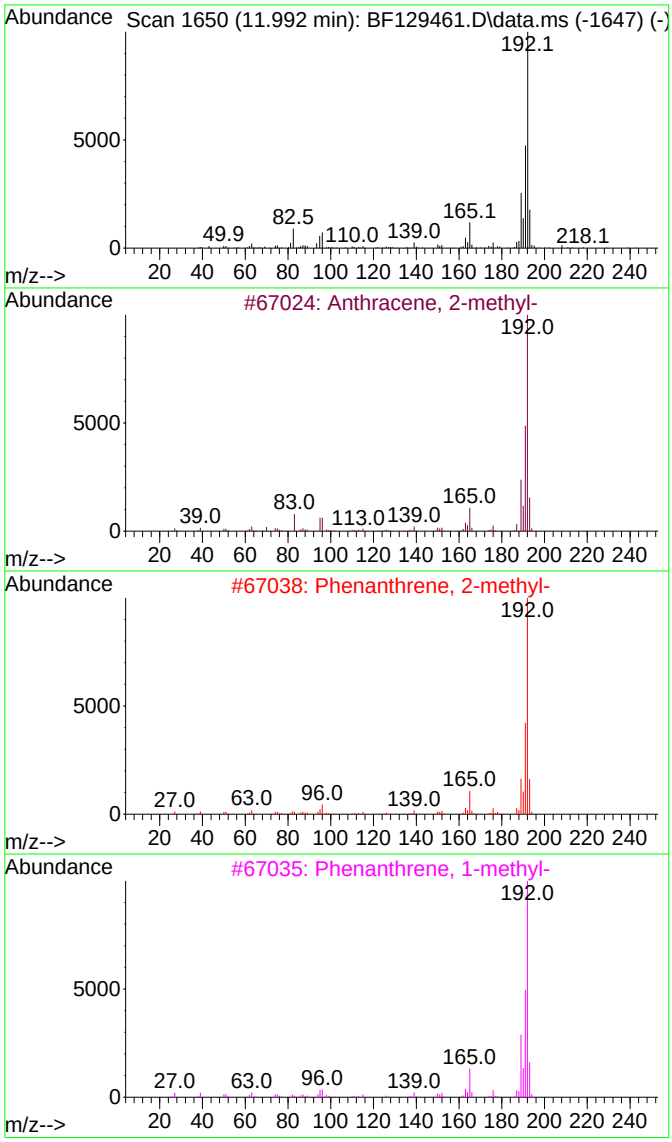
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

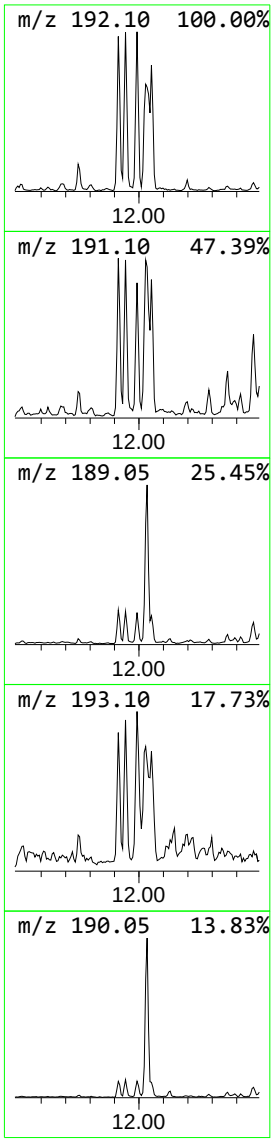
****

Peak Number 13 Phenanthrene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	3.42 ng	176179	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
4	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

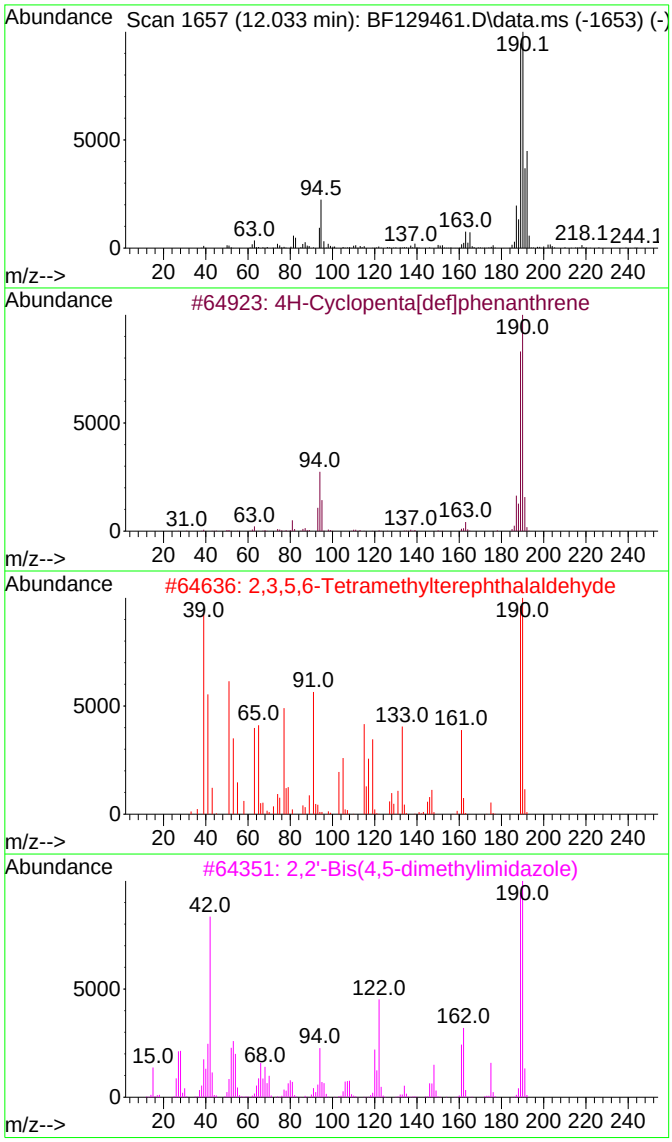
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

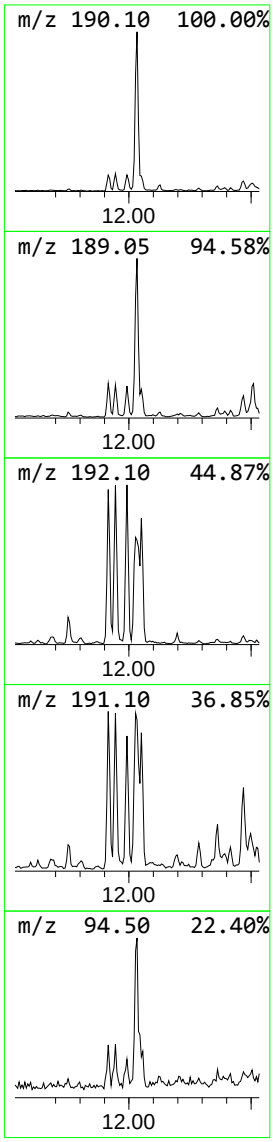
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	9.94 ng	511490	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	94
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	36
5	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	32





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

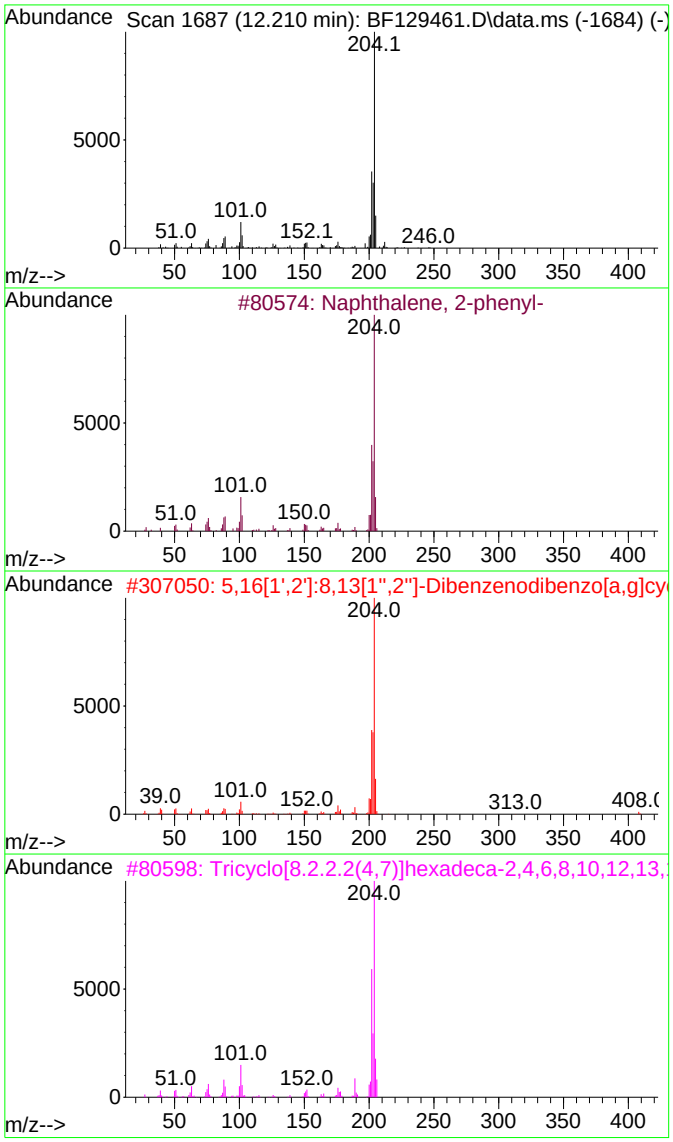
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

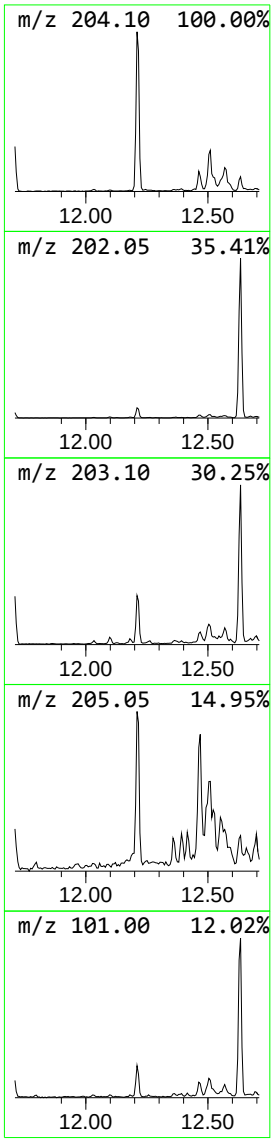
****

Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.210	4.56 ng	234553	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	83
4	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	83
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

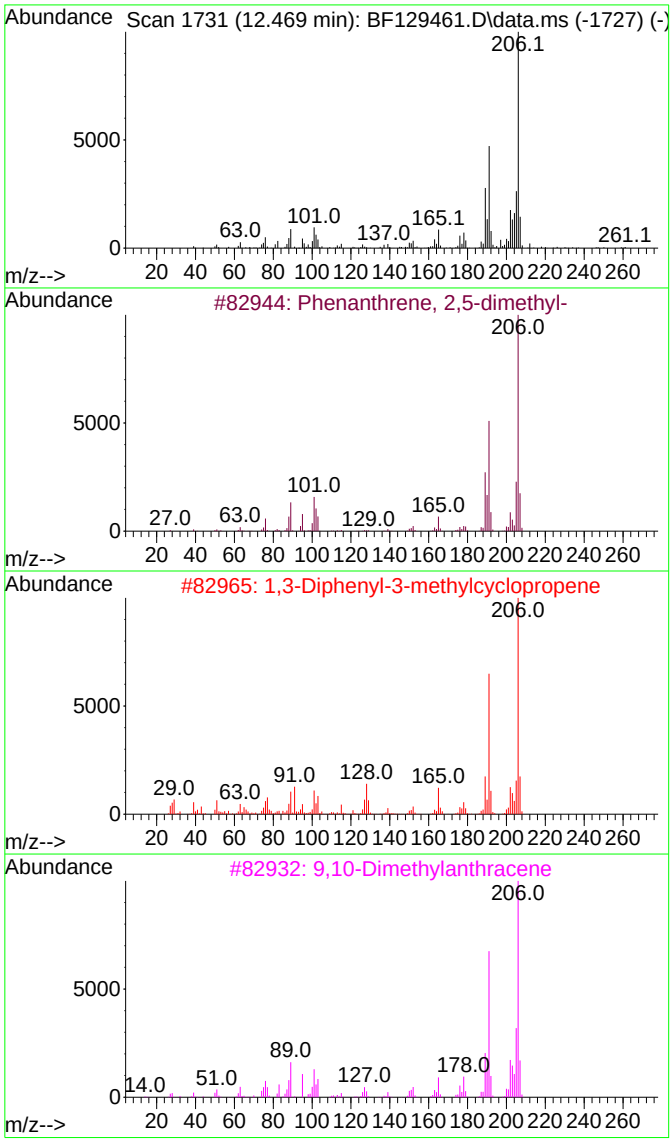
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

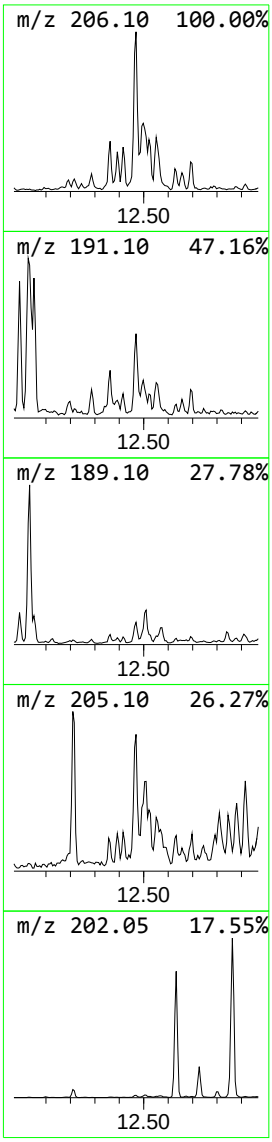
****

Peak Number 16 Phenanthrene, 2,5-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.469	4.08 ng	209933	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	98
2	1,3-Diphenyl-3-methylcyclopropene	206	C16H14	086544-79-8	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

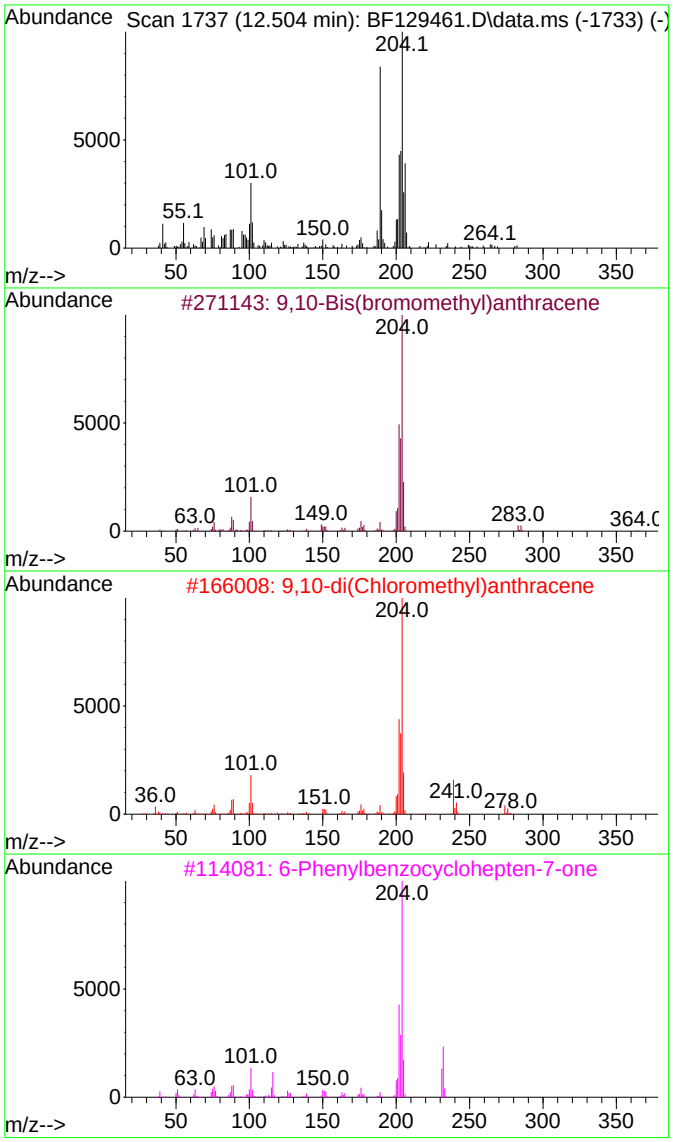
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

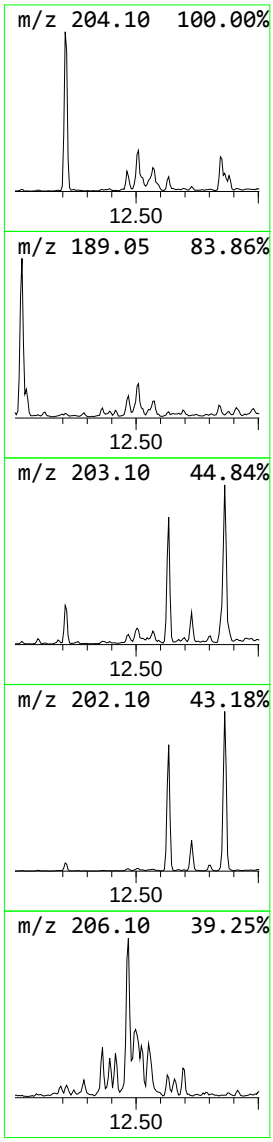
****

Peak Number 17 unknown12.504 Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.504	4.62 ng	237625	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	49
2	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	47
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	43
4	Thiophene, 2-ethynyl-5-[(trimeth...	204	C11H12SSi	182323-29-1	43
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

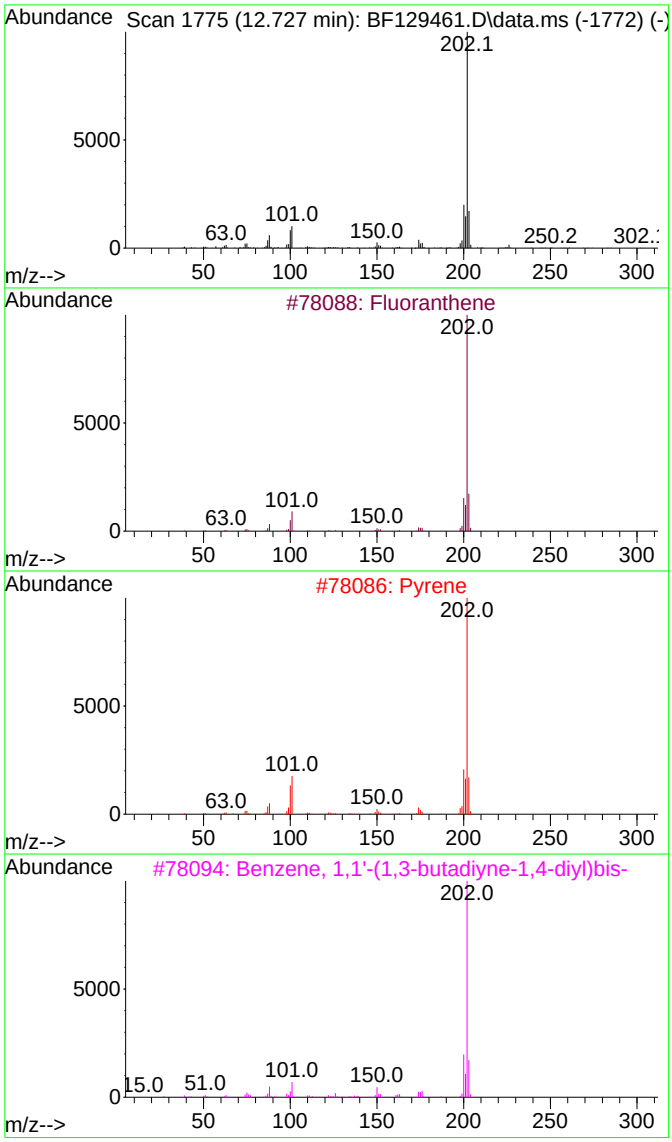
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

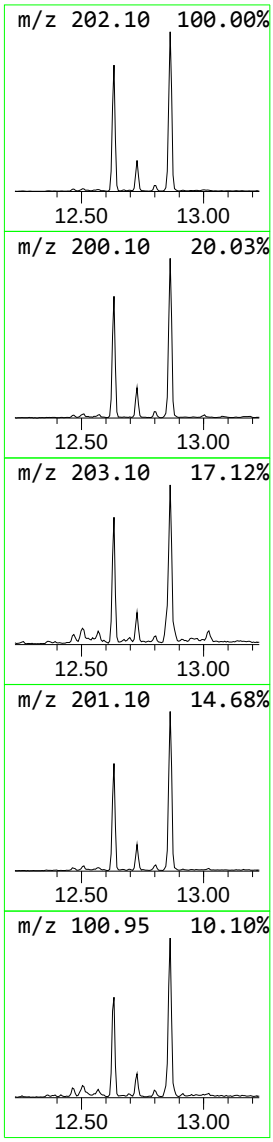
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 18 Benzene, 1,1'-(1,3-butadiyn... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.727	4.42 ng	227731	Phenanthrene-d10	11.416

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	95
2	Pyrene	202	C16H10	000129-00-0	87
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	81
4	Succinic acid, di(4-cyanophenyl)...	320	C18H12N2O4	1000360-71-2	47
5	1,4-naphthalenedione, 2-ethoxy-	202	C12H10O3	1000400-43-2	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

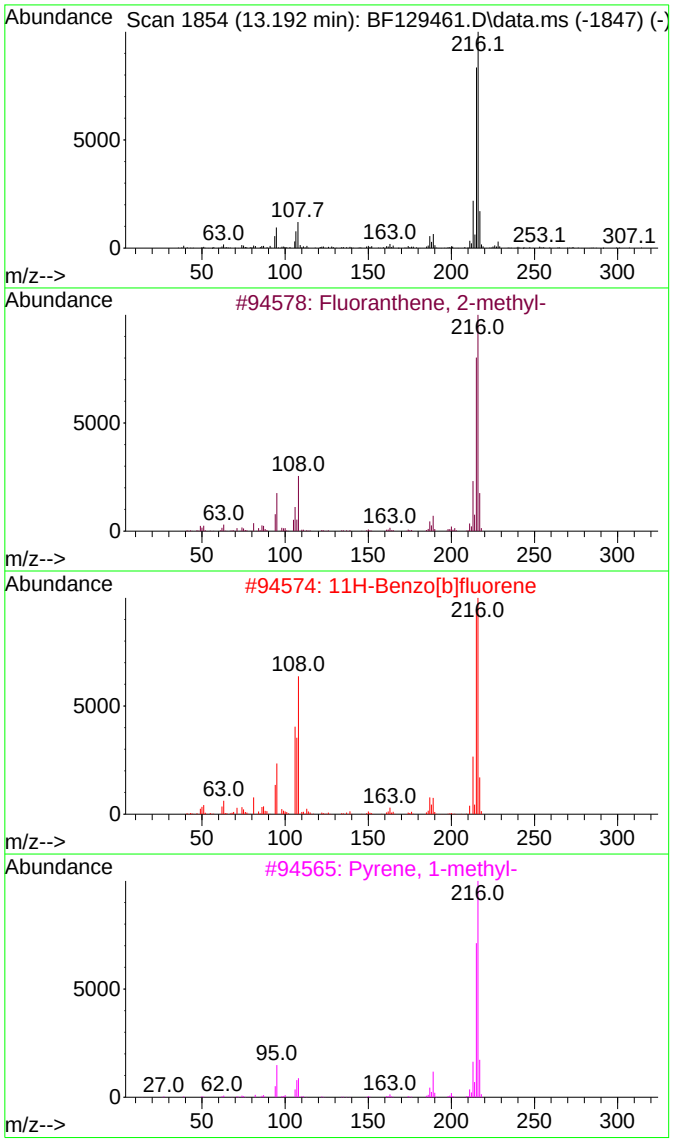
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

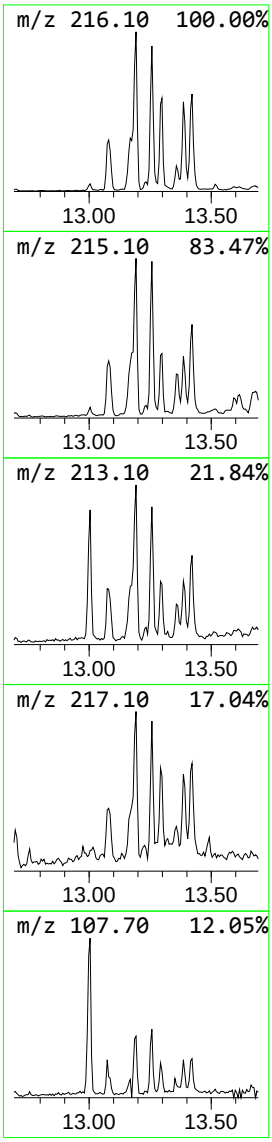
****

Peak Number 19 Fluoranthene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.192	4.68 ng	416615	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[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

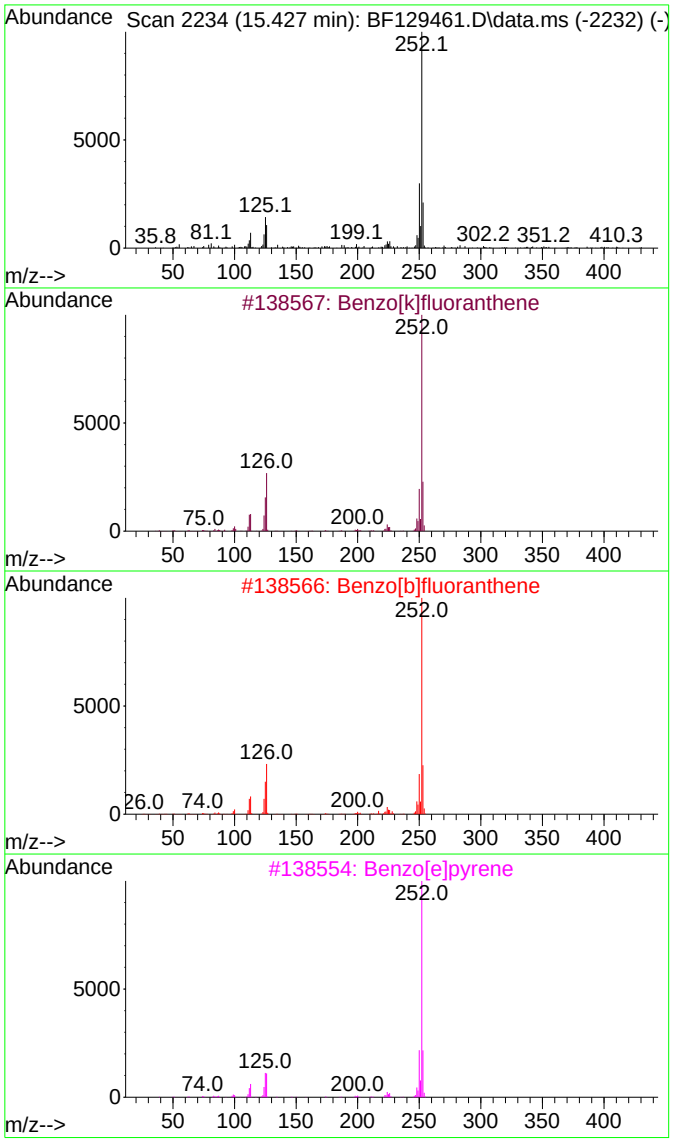
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

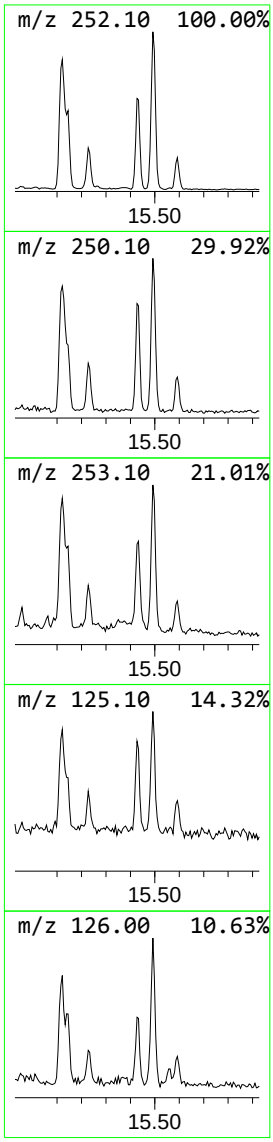
****

Peak Number 20 Benzo[e]pyrene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.427	4.07 ng	185737	Perylene-d12	15.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	95
3	Benzo[e]pyrene	252	C20H12	000192-97-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072922\
Data File : BF129461.D
Acq On : 30 Jul 2022 01:37
Operator : CG\JU
Sample : N3964-03
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
HMGP-SOIL-B

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Mesitylene	6.704	3.9	ng	204649	1	6.881	1052110	20.0
Indene	7.139	9.1	ng	481077	1	6.881	1052110	20.0
1H-Indene, 1-me...	7.910	4.8	ng	330101	2	8.169	1368310	20.0
2-Methylindene	7.951	3.3	ng	222877	2	8.169	1368310	20.0
Naphthalene, 1-...	9.439	4.0	ng	238570	3	9.922	1194240	20.0
Naphthalene, 2,...	9.504	6.0	ng	355269	3	9.922	1194240	20.0
Naphthalene, 2,...	9.580	7.2	ng	429799	3	9.922	1194240	20.0
Naphthalene, 1,...	9.604	3.3	ng	197671	3	9.922	1194240	20.0
Naphthalene, 1,...	9.698	2.8	ng	168351	3	9.922	1194240	20.0
9H-Fluorene, 1-...	11.022	3.5	ng	179194	4	11.416	1029670	20.0
Phenanthrene, 2...	11.916	4.7	ng	240822	4	11.416	1029670	20.0
Anthracene, 2-m...	11.945	3.6	ng	185429	4	11.416	1029670	20.0
Phenanthrene, 1...	11.992	3.4	ng	176179	4	11.416	1029670	20.0
4H-Cyclopenta[d...	12.033	9.9	ng	511490	4	11.416	1029670	20.0
Naphthalene, 2-...	12.210	4.6	ng	234553	4	11.416	1029670	20.0
Phenanthrene, 2...	12.469	4.1	ng	209933	4	11.416	1029670	20.0
unknown12.504	12.504	4.6	ng	237625	4	11.416	1029670	20.0
Benzene, 1,1'-(...	12.727	4.4	ng	227731	4	11.416	1029670	20.0
Fluoranthene, 2...	13.192	4.7	ng	416615	5	14.063	1781050	20.0
Benzo[e]pyrene	15.427	4.1	ng	185737	6	15.562	912548	20.0