LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126931.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.551	549	555	558	rBV	2992132	2798761	49.03%	5.277%
2	6.551	719	725	728	rBV	2793366	2921351	51.18%	5.508%
3	6.928	786	789	792	rBV	780472	581870	10.19%	1.097%
4	7.492	880	885	888	rBV	2100932	1951858	34.19%	3.680%
5	8.104	986	989	994	rBV	91088	79235	1.39%	0.149%
6	8.210	1003	1007	1009	rBV	980938	822977	14.42%	1.552%
7	8.234	1009	1011	1014	rVB	778439	567187	9.94%	1.069%
8	8.922	1125	1128	1132	rVB	906136	707680	12.40%	1.334%
9	9.022	1140	1145	1148	rBV	716802	562959	9.86%	1.061%
10	9.286	1185	1190	1193	rBV	3852020	3150409	55.19%	5.940%
11	9.386	1204	1207	1210	rVB	275984	214253	3.75%	0.404%
12	9.480	1220	1223	1230	rVB	145909	143968	2.52%	0.271%
13	9.551	1230	1235	1239	rBV	272479	354973	6.22%	0.669%
14	9.622	1242	1247	1250	rBV	389107	381112	6.68%	0.719%
15	9.651	1250	1252	1255	rVB	231236	172638	3.02%	0.325%
16	9.739	1265	1267	1269	rBV	158124	122467	2.15%	0.231%
17	9.757	1269	1270	1276	rVB3	67010	63923	1.12%	0.121%
18	9.822	1279	1281	1286	rVB	84711	79016	1.38%	0.149%
19	9.945	1299	1302	1303	rBV	248015	179924	3.15%	0.339%
20	9.969	1303	1306	1309	rVV	1040111	855092	14.98%	1.612%
21	10.004	1309	1312	1315	rVB	2493804	1964819	34.42%	3.705%
22	10.069	1320	1323	1327	rVV	58202	78013	1.37%	0.147%
23	10.122	1327	1332	1337	rVV2	96021	132286	2.32%	0.249%
24	10.175	1337	1341	1344	rVV	1838664	1512338	26.49%	2.851%
25	10.204	1344	1346	1351	rVV	99899	88384	1.55%	0.167%
26	10.280	1355	1359	1362	rBV3	95256	96093	1.68%	0.181%
27	10.310	1362	1364	1370	rVB	97043	80864	1.42%	0.152%
28	10.375	1370	1375	1376	rBV2	74117	97230	1.70%	0.183%
29	10.469	1388	1391	1395	rVB2	88948	105927	1.86%	0.200%
30	10.522	1395	1400	1403	rBV	2812820	2323228	40.70%	4.380%
31	10.563	1403	1407	1409	rVV	125783	139097	2.44%	0.262%
32	10.604	1412	1414	1416	rVV	378239	301305	5.28%	0.568%
33	10.651	1420	1422	1423	rVV	209976	157783	2.76%	0.297%
34	10.675	1423	1426	1431	rVB	411596	391420	6.86%	0.738%
35	10.757	1436	1440	1444	rVV	2501621	2568669	45.00%	4.843%
36	10.804	1444	1448	1450	rVB2	92344	89604	1.57%	0.169%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.863	1456	1458	1464	rVB3	190173	207379	3.63%	0.391%
38	10.945	1470	1472	1477	rVB	145234	125561	2.20%	0.237%
39	11.063	1486	1492	1495	rBV2	345092	411474	7.21%	0.776%
40	11.092	1495	1497	1500	rVV2	139075	127628	2.24%	0.241%
41	11.145	1503	1506	1509	rVV2	136054	132703	2.32%	0.250%
42	11.192	1509	1514	1515	rVV2	114178	154065	2.70%	0.290%
43	11.210	1515	1517	1519	rVV2	134396	138543	2.43%	0.261%
44	11.263	1523	1526	1529	rVV4	49663	61895	1.08%	0.117%
45	11.304	1529	1533	1539	rVV3	152352	221952	3.89%	0.418%
46	11.357	1539	1542	1547	rVB	665234	543846	9.53%	1.025%
47	11.463	1556	1560	1561	rBV	836477	797120	13.96%	1.503%
48	11.492	1561	1565	1568	rVV	5299944	5708459	100.00%	10.763%
49	11.539	1568	1573	1575	rVV	772909	674616	11.82%	1.272%
50	11.569	1575	1578	1580	rVB2	90423	88517	1.55%	0.167%
51	11.686	1595	1598	1601	rBV	265923	238676	4.18%	0.450%
52	11.751	1607	1609	1613	rVB2	94863	86397	1.51%	0.163%
53	11.786	1613	1615	1620	rVB3	67725	83931	1.47%	0.158%
54	11.963	1639	1645	1647	rBV	433314	481814	8.44%	0.908%
55	11.986	1647	1649	1653	rVV	584074	496284	8.69%	0.936%
56	12.033	1653	1657	1660	rVV	234912	213987	3.75%	0.403%
57	12.074	1660	1664	1666	rVV2	926309	903478	15.83%	1.703%
58	12.092	1666	1667	1671	rVB	229622	164345	2.88%	0.310%
59	12.257	1692	1695	1697	rBV	296412	242118	4.24%	0.456%
60	12.404	1716	1720	1722	rBV	128247	113001	1.98%	0.213%
61	12.510	1735	1738	1741	rBV	108381	122863	2.15%	0.232%
62	12.551	1741	1745	1746	rVV2	79638	92948	1.63%	0.175%
63	12.592	1750	1752	1757	rBV3	43378	68144	1.19%	0.128%
64	12.680	1762	1767	1770	rBV	3250864	3028843	53.06%	5.711%
65	12.716	1770	1773	1775	rBV2	71744	68456	1.20%	0.129%
66	12.827	1788	1792	1795	rVB2	105793	96485	1.69%	0.182%
67	12.910	1799	1806	1811	rBV2	2058029	2447974	42.88%	4.615%
68	12.951	1811	1813	1818	rVB2	117435	113724	1.99%	0.214%
69	13.021	1821	1825	1826	rBV	138056	130669	2.29%	0.246%
70	13.045	1826	1829	1832	rVV	2886009	2550285	44.68%	4.808%
71	13.116	1835	1841	1845	rBV2	113825	216176	3.79%	0.408%
72	13.204	1853	1856	1857	rBV3	79521	76685	1.34%	0.145%
73	13.233	1857	1861	1864	rVB	385965	383523	6.72%	0.723%
74	13.298	1869	1872	1874	rBV	475754	379887	6.65%	0.716%
75	13.333	1874	1878	1881	rVB2	124805	136347	2.39%	0.257%
76	13.457	1896	1899	1902	rBV2	59177	61009	1.07%	0.115%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
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Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

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-BF021622.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.710	1939	1942	1945	rBV	52438	62117	1.09%	0.117%
78	13.851	1961	1966	1968	rBV	148308	135493	2.37%	0.255%
79	13.880	1968	1971	1973	rVV	76927	66173	1.16%	0.125%
80	13.939	1978	1981	1987	rVV2	145379	218791	3.83%	0.413%
81	14.098	2000	2008	2011	rBV2	759328	1140990	19.99%	2.151%
82	14.127	2011	2013	2019	rVB	546667	458347	8.03%	0.864%
83	14.210	2024	2027	2029	rBV	83648	66993	1.17%	0.126%
84	14.321	2043	2046	2050	rVB2	40549	58147	1.02%	0.110%
85	15.157	2183	2188	2191	rBV	220179	311423	5.46%	0.587%
86	15.186	2191	2193	2196	rVB	99259	95507	1.67%	0.180%
87	15.474	2237	2242	2248	rVB	120545	157938	2.77%	0.298%
88	15.539	2248	2253	2259	rBV	162340	227416	3.98%	0.429%
89	15.604	2259	2264	2268	rBV	411504	536421	9.40%	1.011%
90	17.127	2517	2523	2531	rVB2	54058	100405	1.76%	0.189%
91	17.592	2596	2602	2611	rBV2	87804	171673	3.01%	0.324%

Sum of corrected areas: 53038354

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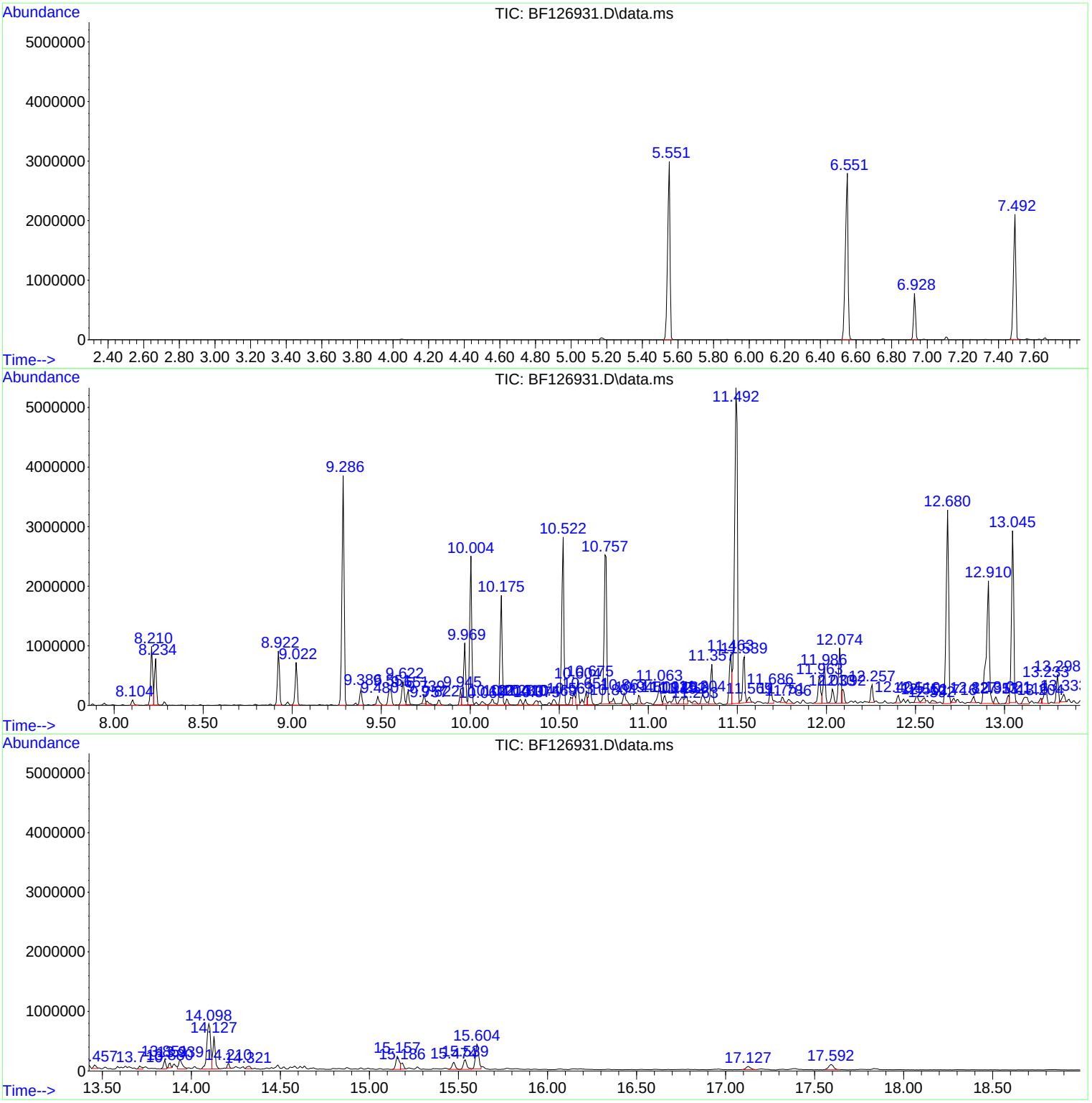
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
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Instrument :
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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

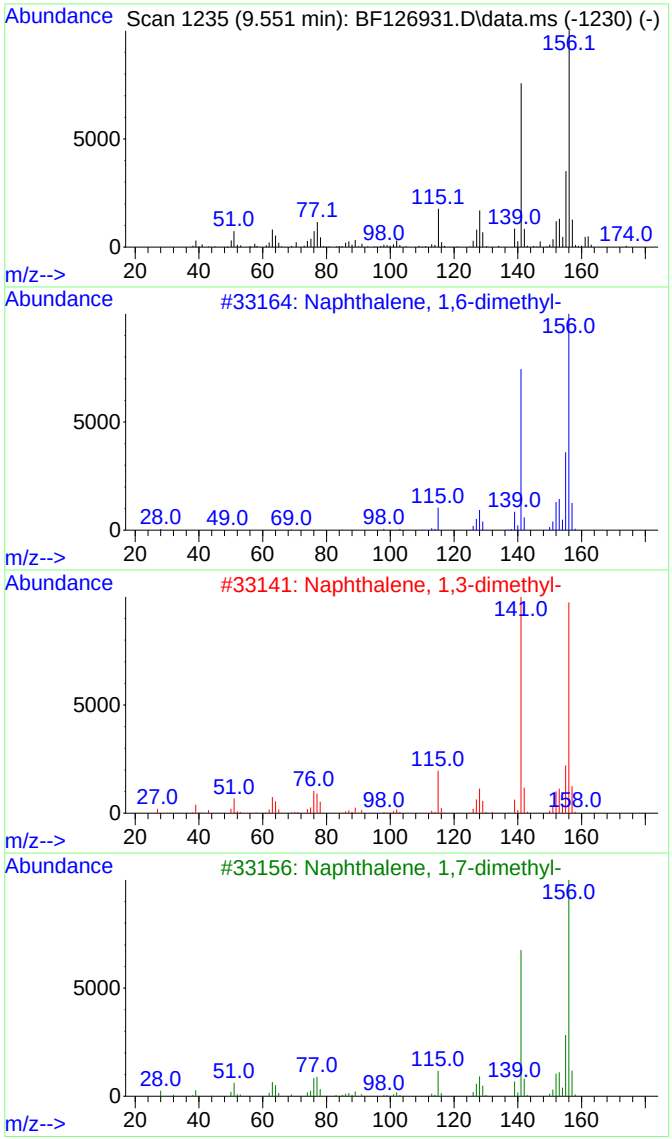
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

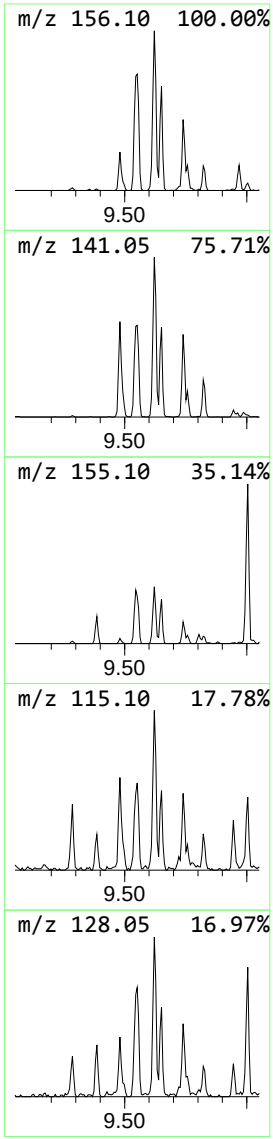
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.551	8.30 ng	354973	Acenaphthene-d10	9.969

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





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

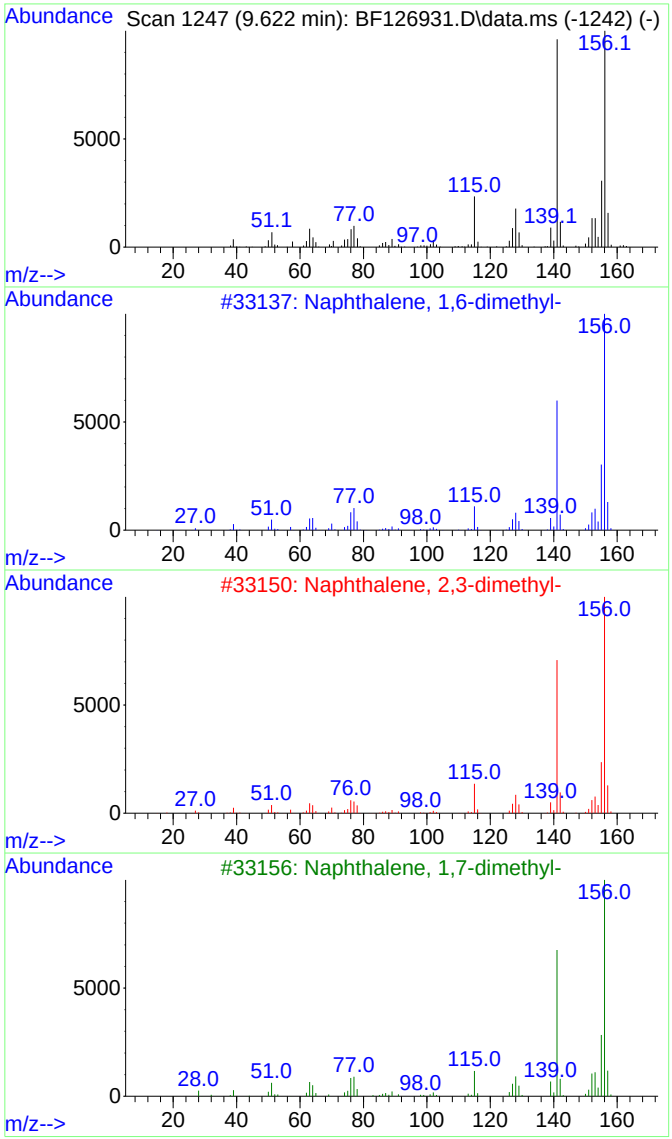
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

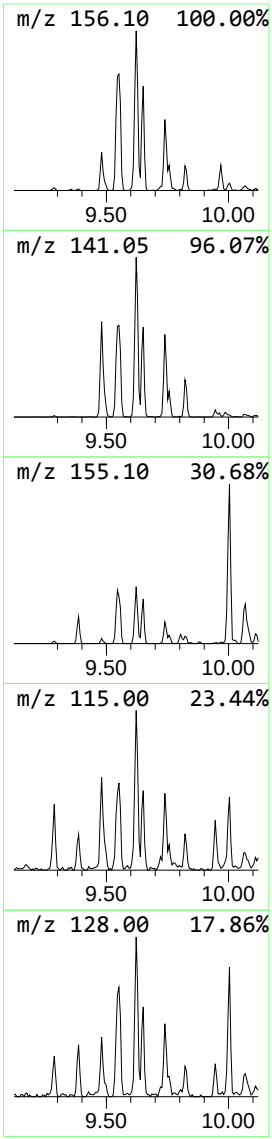
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.622	8.91 ng	381112	Acenaphthene-d10	9.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

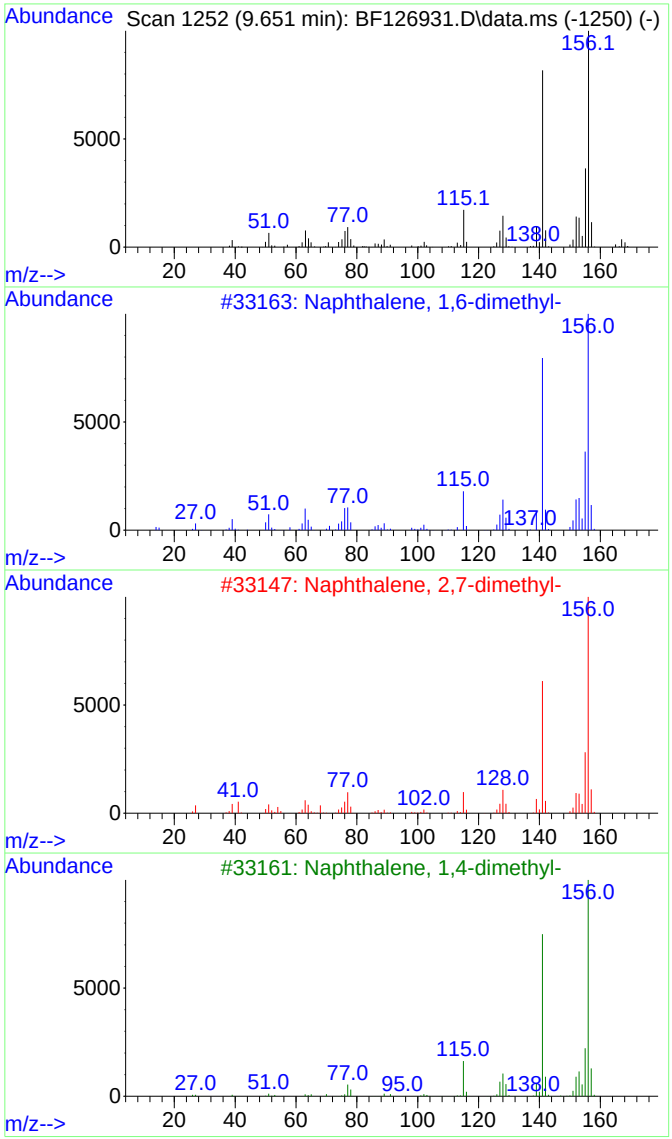
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

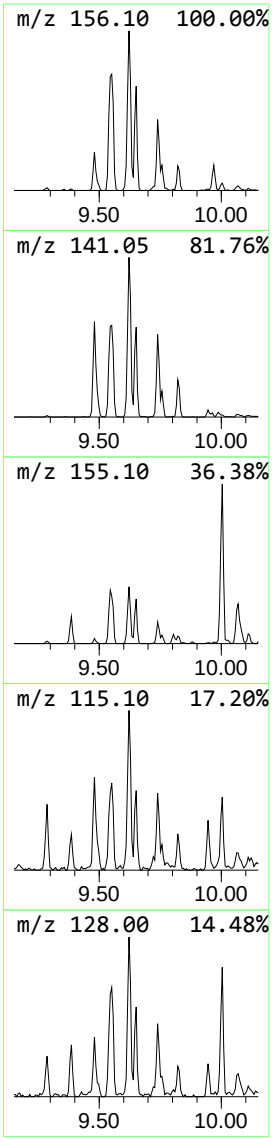
****

Peak Number 3 Naphthalene, 2,7-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.651	4.04 ng	172638	Acenaphthene-d10	9.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
2	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

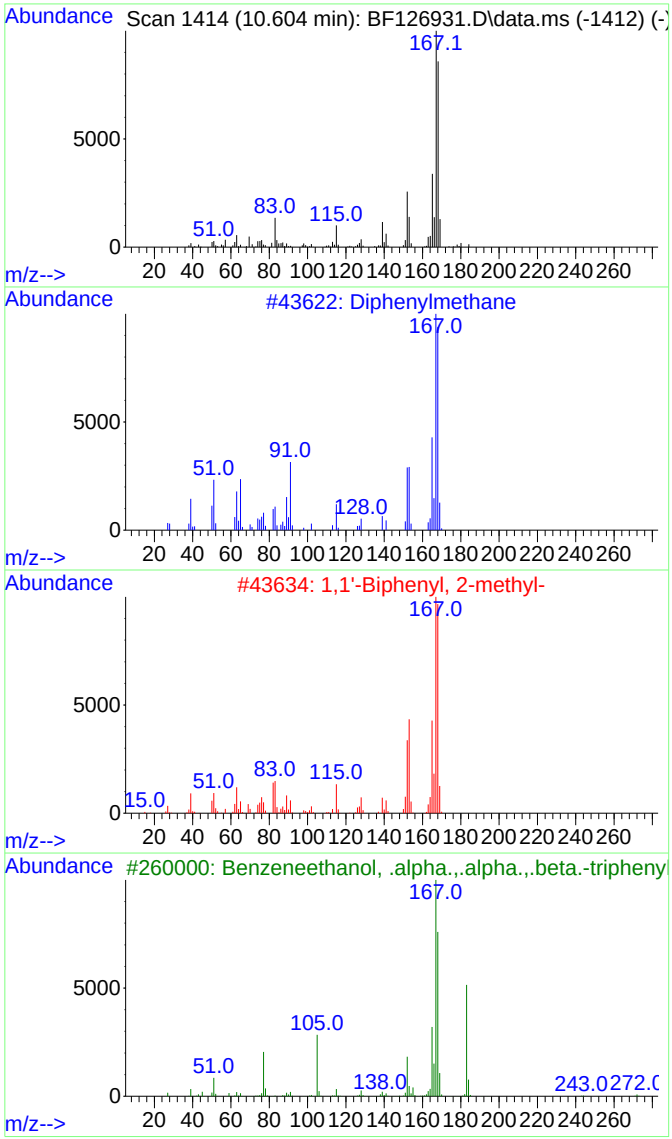
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

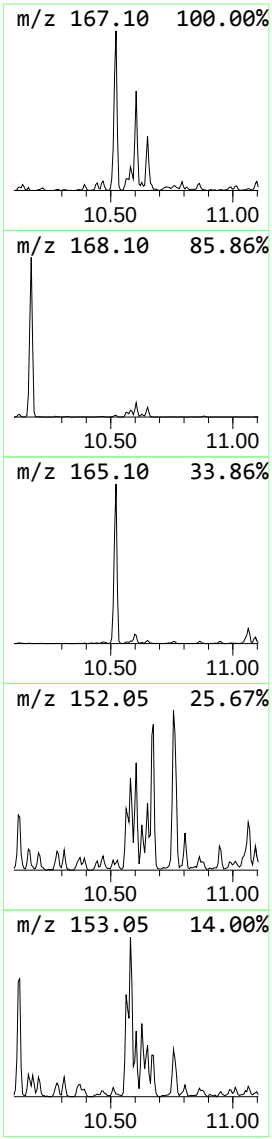
****

Peak Number 4 Diphenylmethane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.604	7.05 ng	301305	Acenaphthene-d10	9.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Diphenylmethane	168	C13H12	000101-81-5	87
2	1,1'-Biphenyl, 2-methyl-	168	C13H12	000643-58-3	87
3	Benzeneethanol, .alpha.,.alpha.,...	350	C26H22O	000981-24-8	83
4	Fluorene, 1,4-dihydro-	168	C13H12	041593-21-9	74
5	6-Methoxy-3-nitro-2-picoline	168	C7H8N2O3	005467-69-6	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

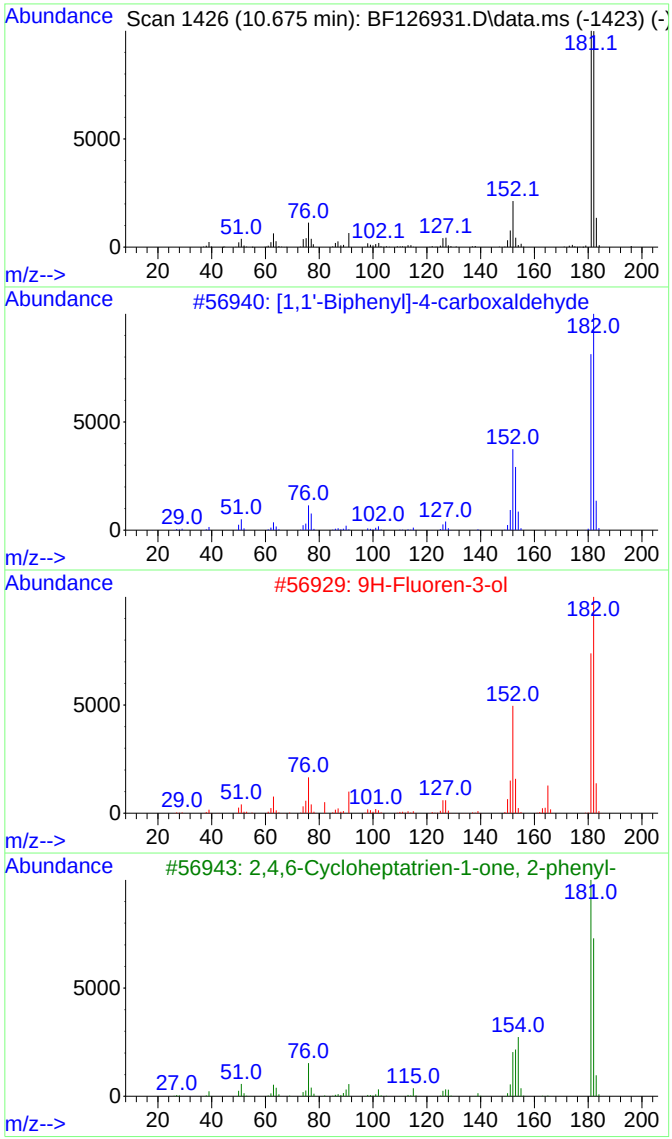
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

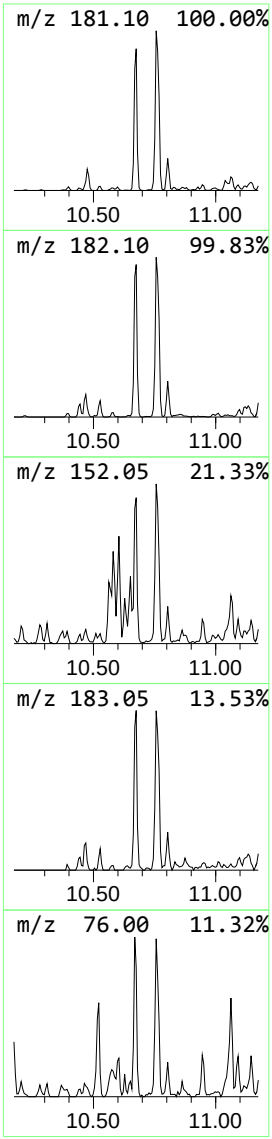
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 [1,1'-Biphenyl]-4-carboxald... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.675	9.16 ng	391420	Acenaphthene-d10	9.969

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	91
2	9H-Fluoren-3-ol	182	C13H10O	006344-67-8	90
3	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
4	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	78





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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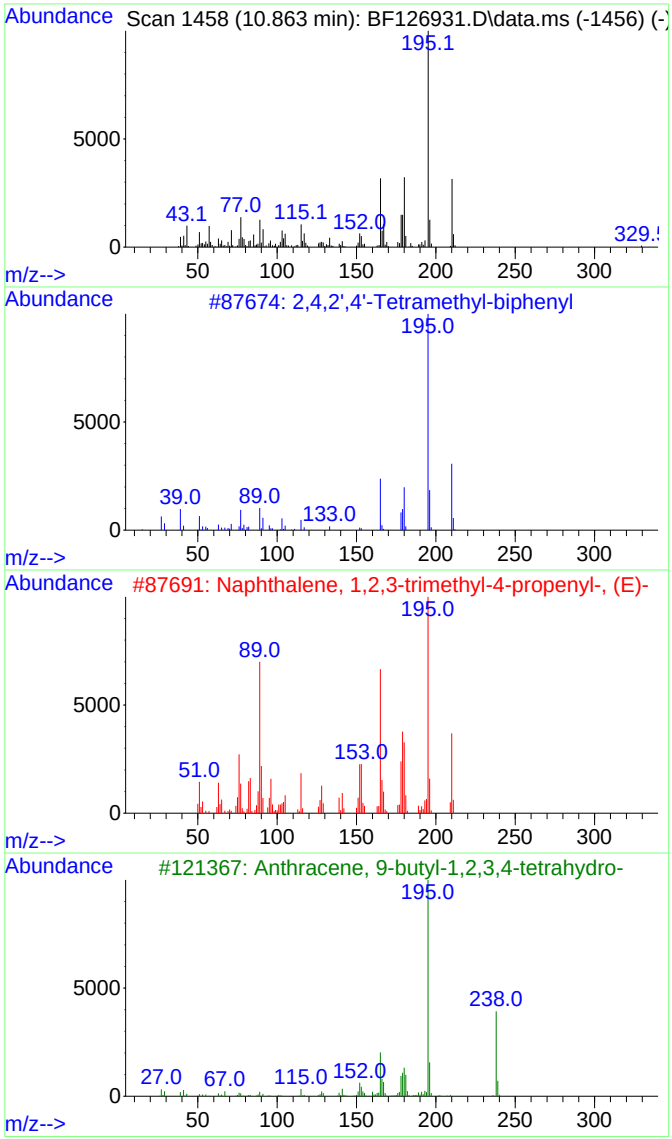
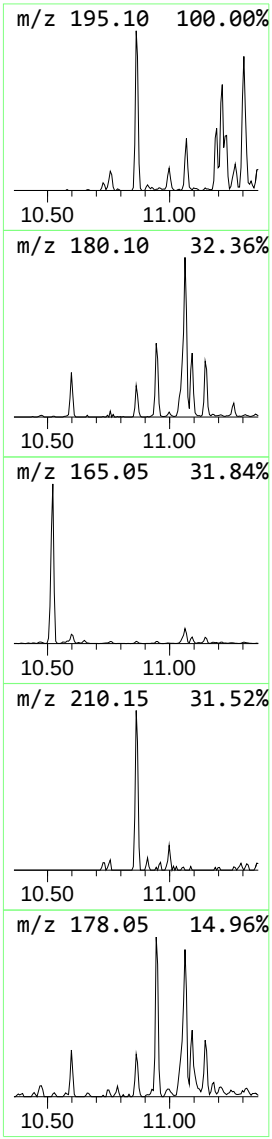
Peak Number 6 2,4,2',4'-Tetramethyl-biphenyl Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.863	5.20 ng	207379	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,2',4'-Tetramethyl-biphenyl	210	C16H18	1000486-97-7	87
2	Naphthalene, 1,2,3-trimethyl-4-p...	210	C16H18	026137-53-1	64
3	Anthracene, 9-butyl-1,2,3,4-tetr...	238	C18H22	1010151-39-2	53
4	9,9-Dimethyl-9-silafluorene	210	C14H14Si	013688-68-1	53
5	2,4,6-Trimethoxyacetophenone	210	C11H14O4	000832-58-6	50





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Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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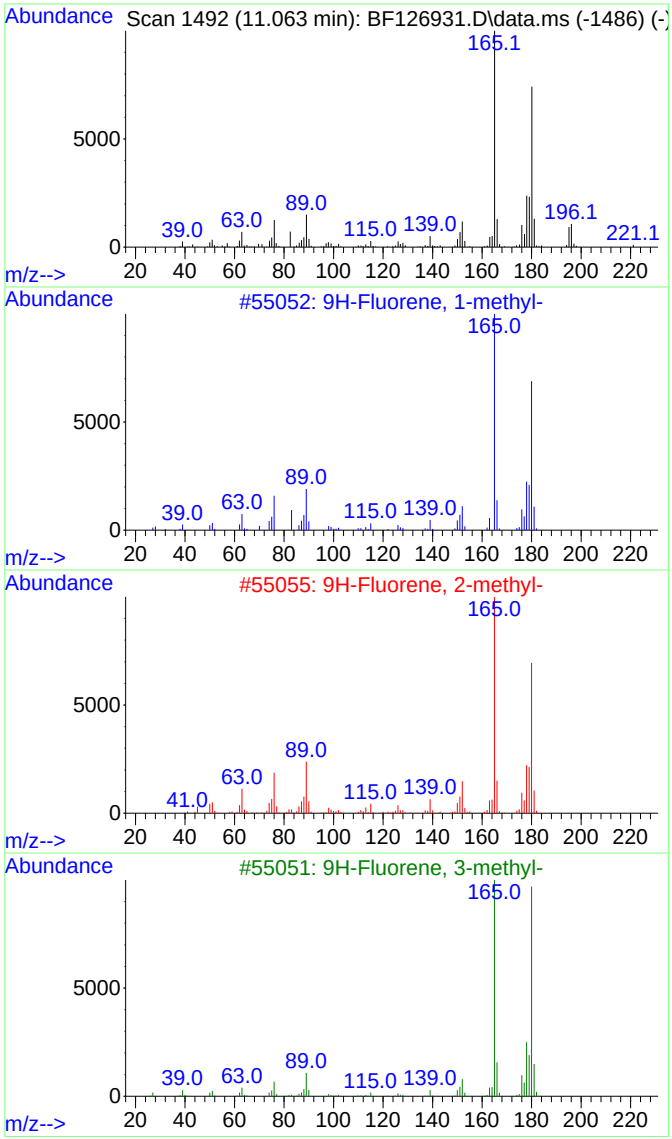
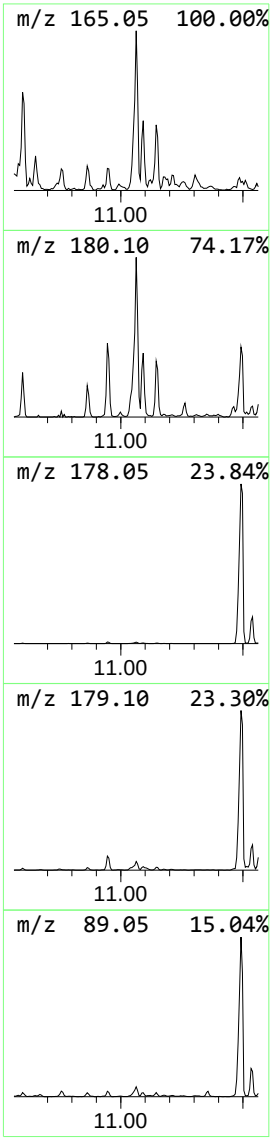
Peak Number 7 9H-Fluorene, 1-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.063	10.32 ng	411474	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	97
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	78
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	76





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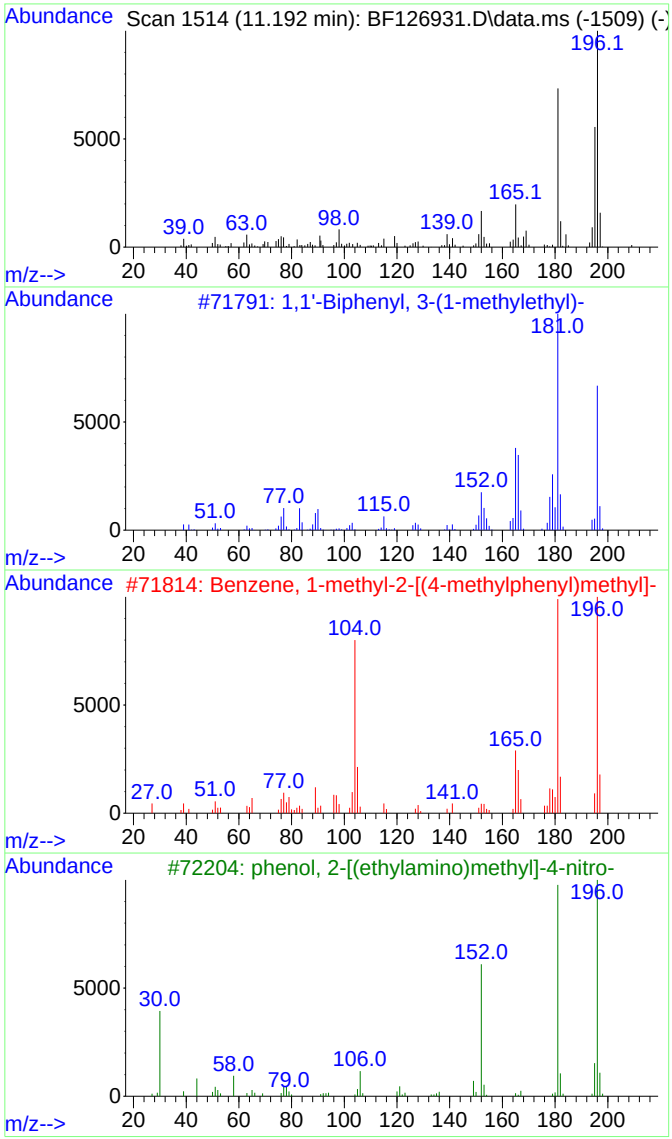
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

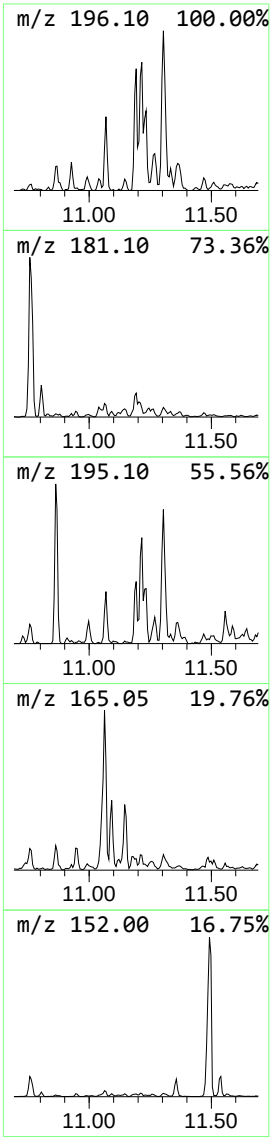
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1,1'-Biphenyl, 3-(1-methyle... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.192	3.87 ng	154065	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Biphenyl, 3-(1-methylethyl)-	196	C15H16	020282-30-8	74
2	Benzene, 1-methyl-2-[(4-methylph...	196	C15H16	021895-17-0	64
3	phenol, 2-[(ethylamino)methyl]-4...	196	C9H12N2O3	1000400-09-7	53
4	4-Methoxyphenol, TMS derivative	196	C10H16O2Si	006689-38-9	52
5	2'-Hydroxy-3',4'-dimethoxyacetop...	196	C10H12O4	1000433-07-2	50





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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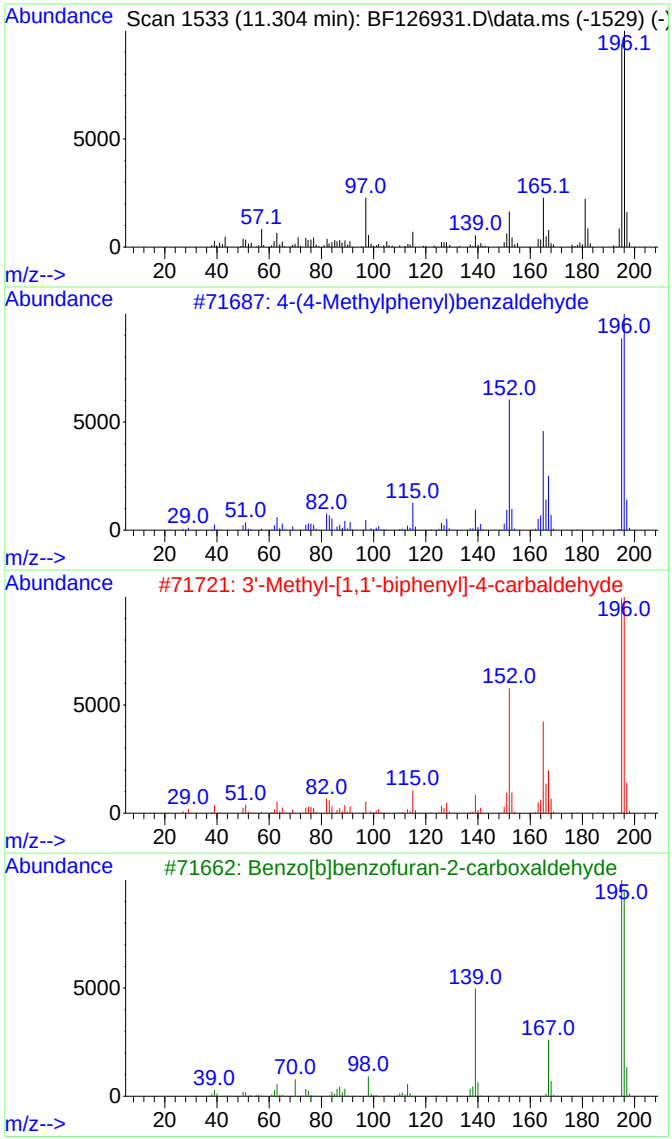
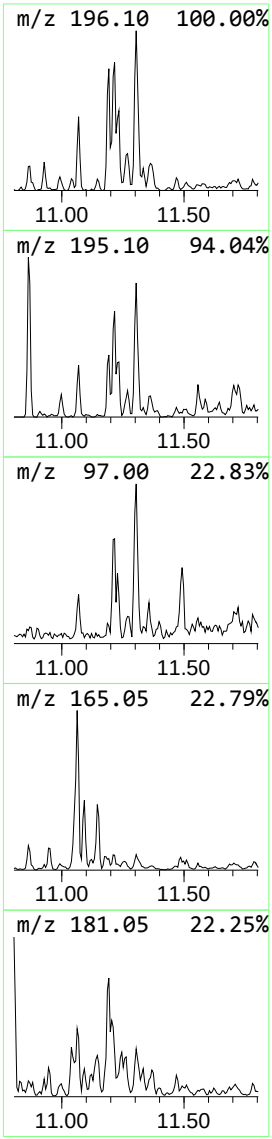
Peak Number 9 4-(4-Methylphenyl)benzaldehyde Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	5.57 ng	221952	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	76
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	72
3	Benzo[b]benzofuran-2-carboxaldehyde	196	C13H8O2	1000351-56-0	64
4	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
5	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	47





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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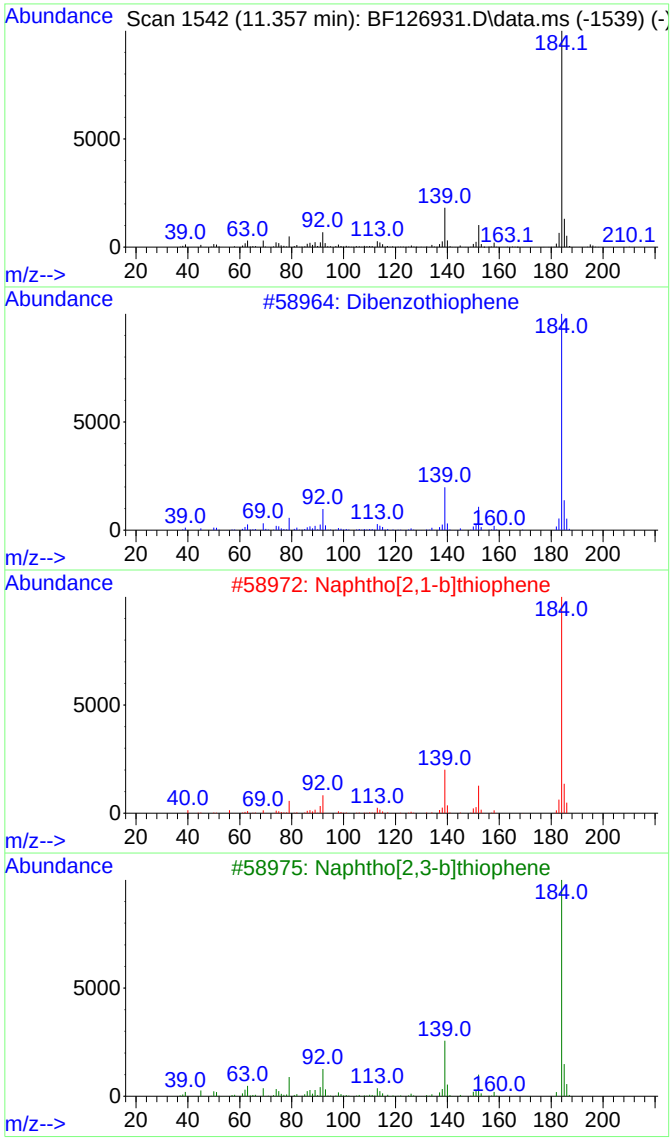
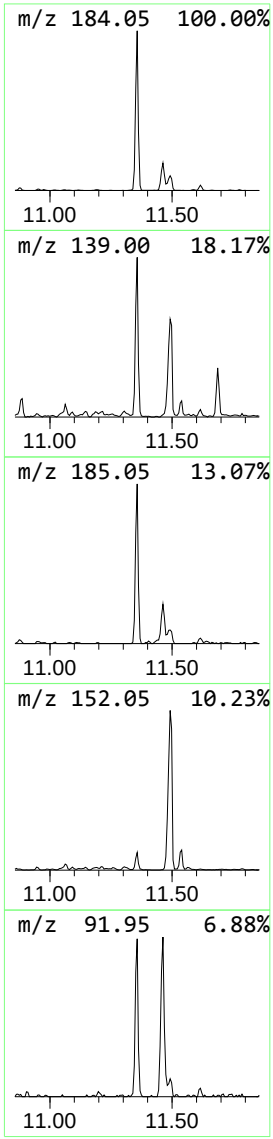
Peak Number 10 Dibenzothiophene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.357	13.65 ng	543846	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	97
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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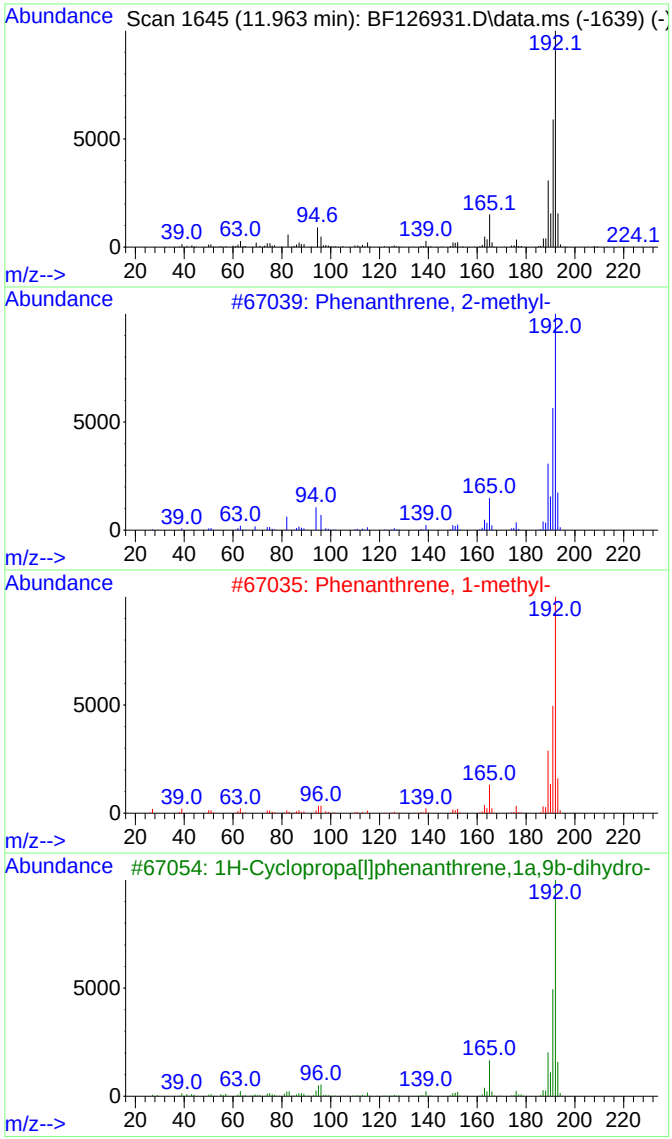
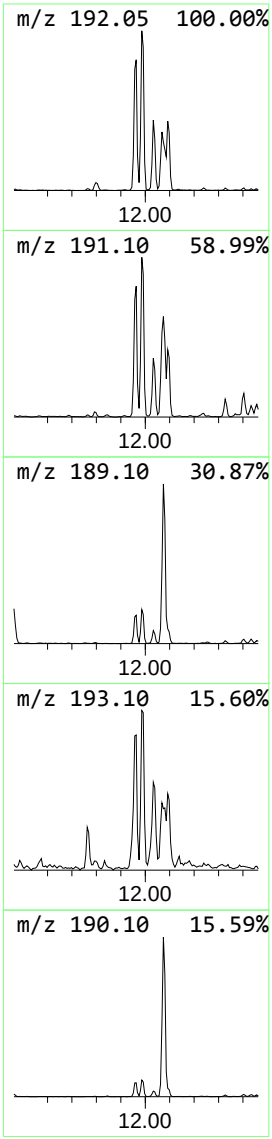
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	12.09 ng	481814	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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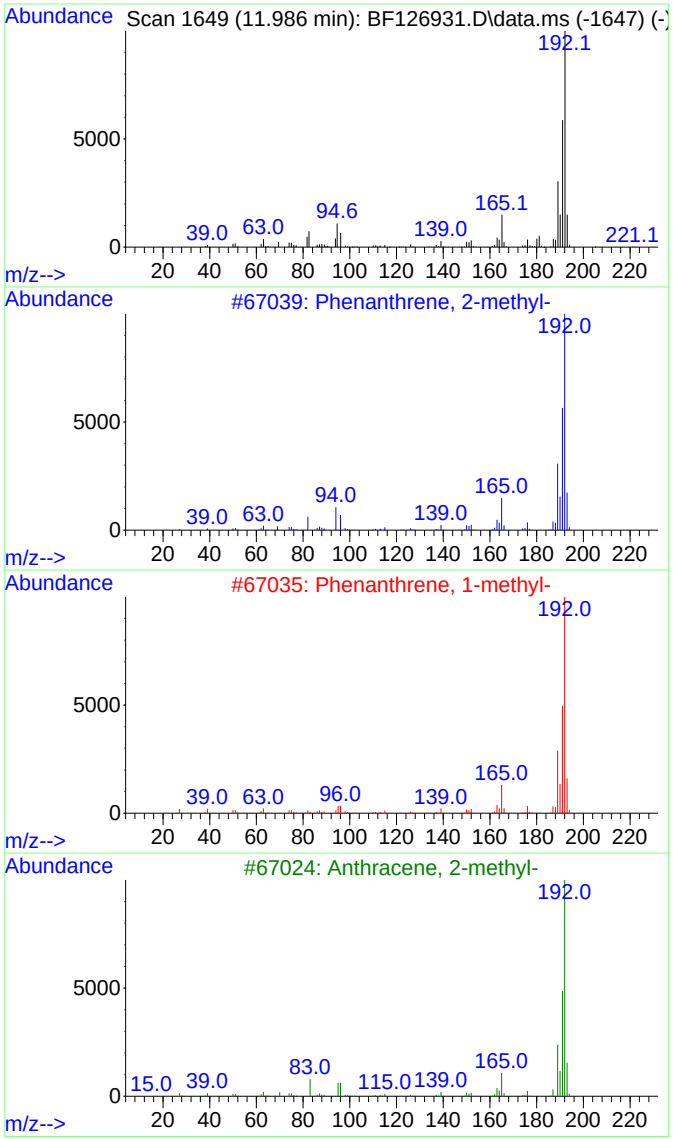
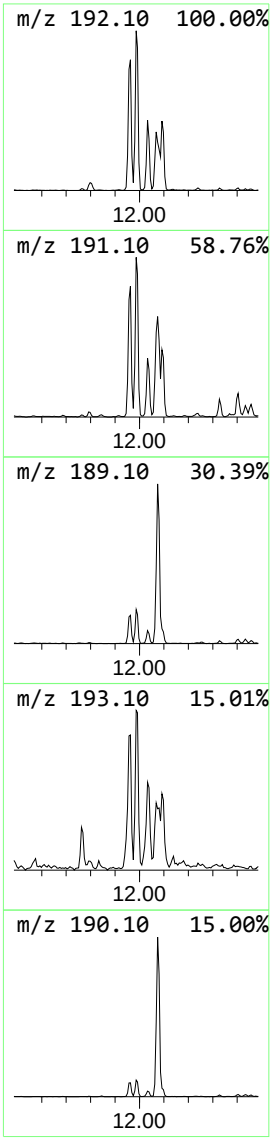
Peak Number 12 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	12.45 ng	496284	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Misc :
ALS Vial : 11 Sample Multiplier: 1

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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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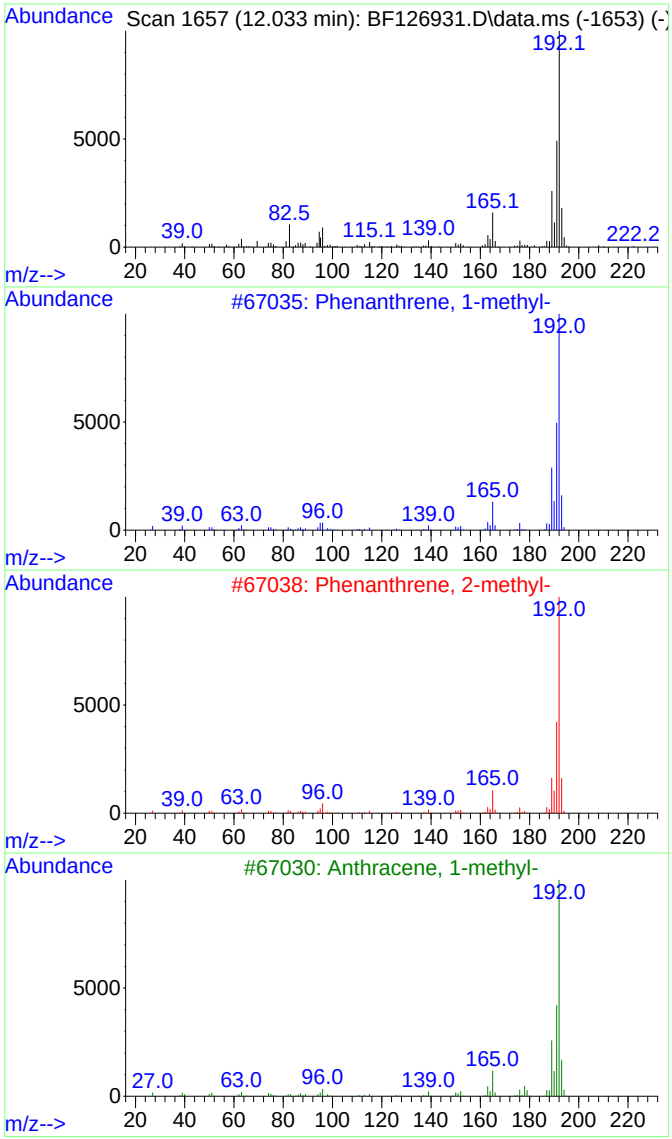
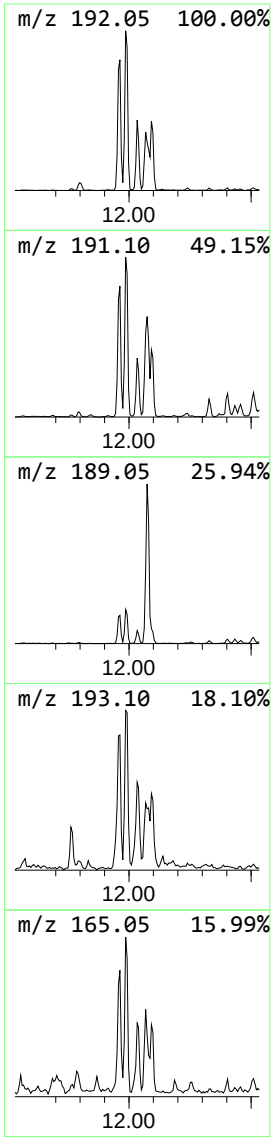
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	5.37 ng	213987	Phenanthrene-d10	11.463

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	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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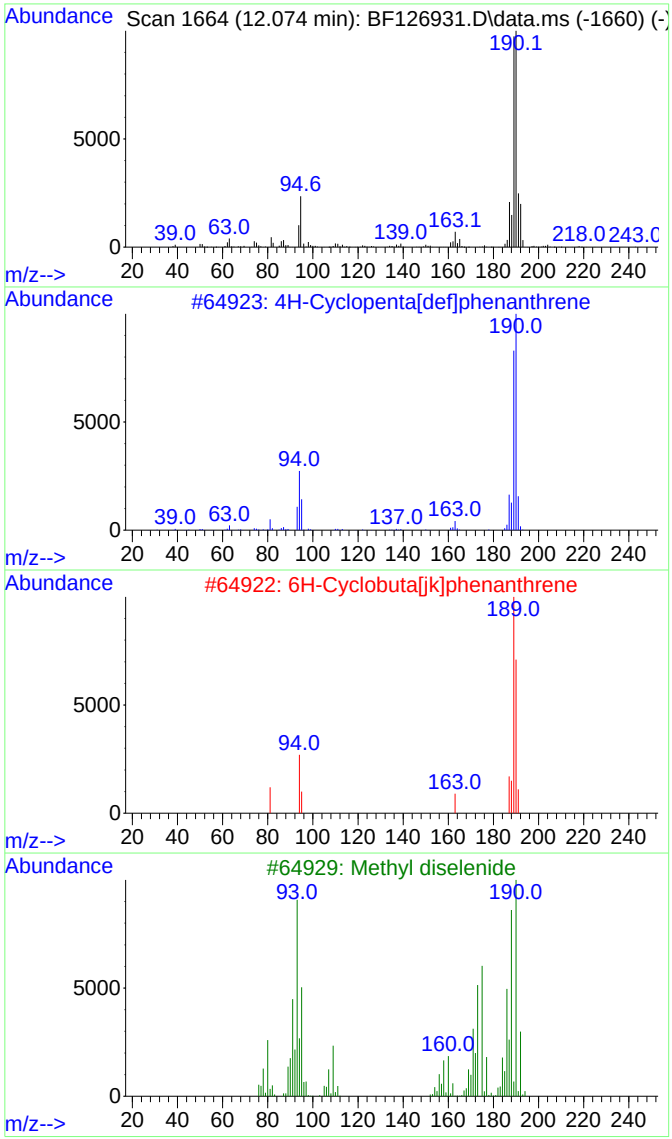
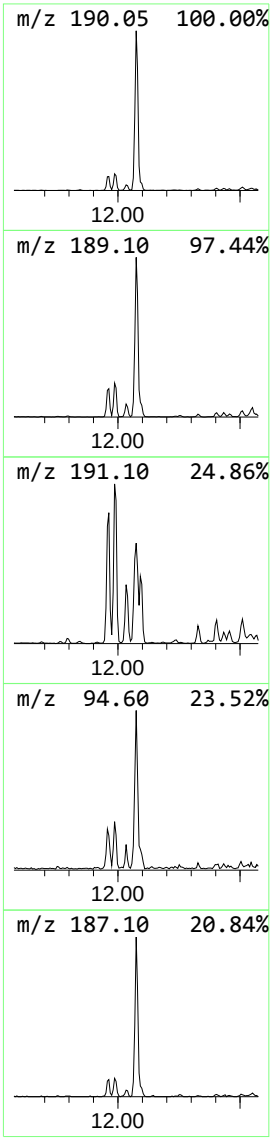
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.074	22.67 ng	903478	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	87
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	64
3	Methyl diselenide	190	C2H6Se2	007101-31-7	49
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40





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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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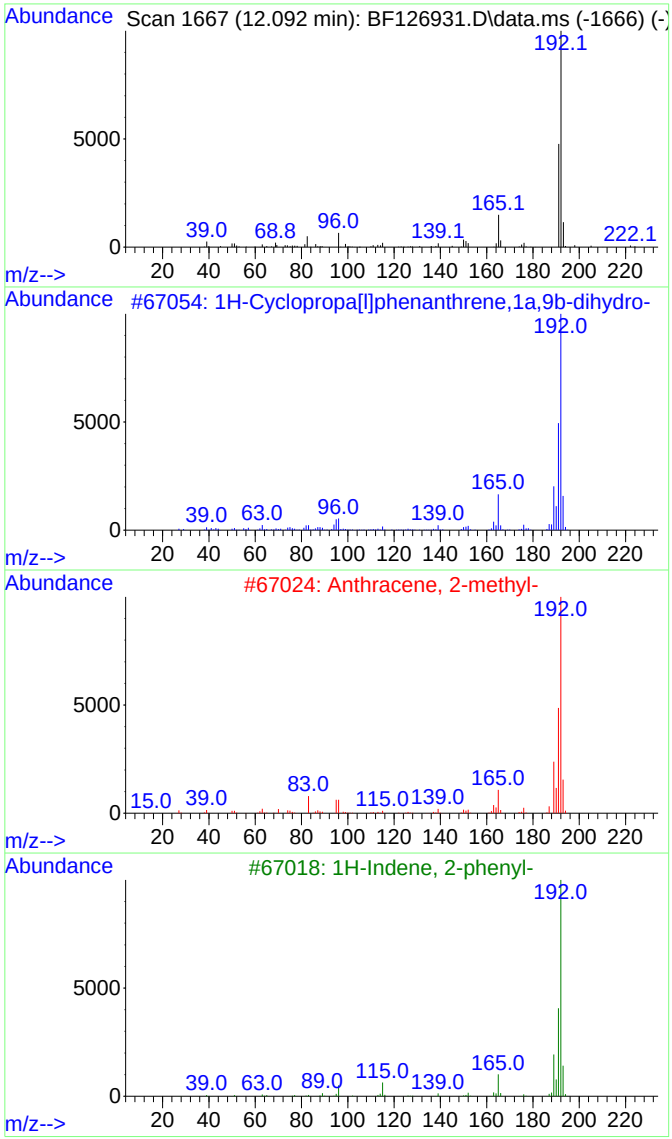
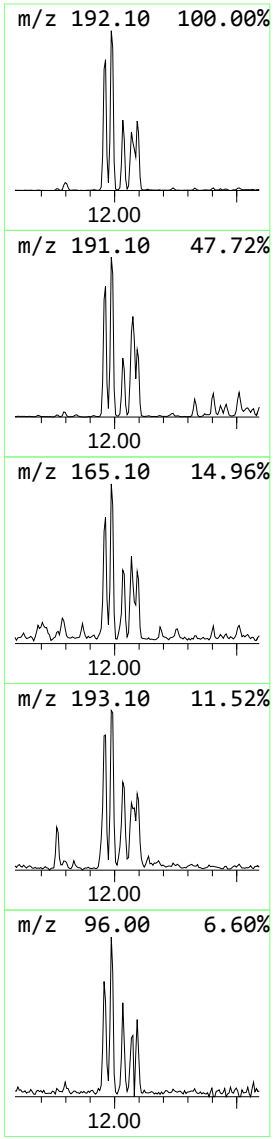
Peak Number 15 1H-Cyclopropa[l]phenanthren... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.092	4.12 ng	164345	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	87
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	86
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	86
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	86
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	86





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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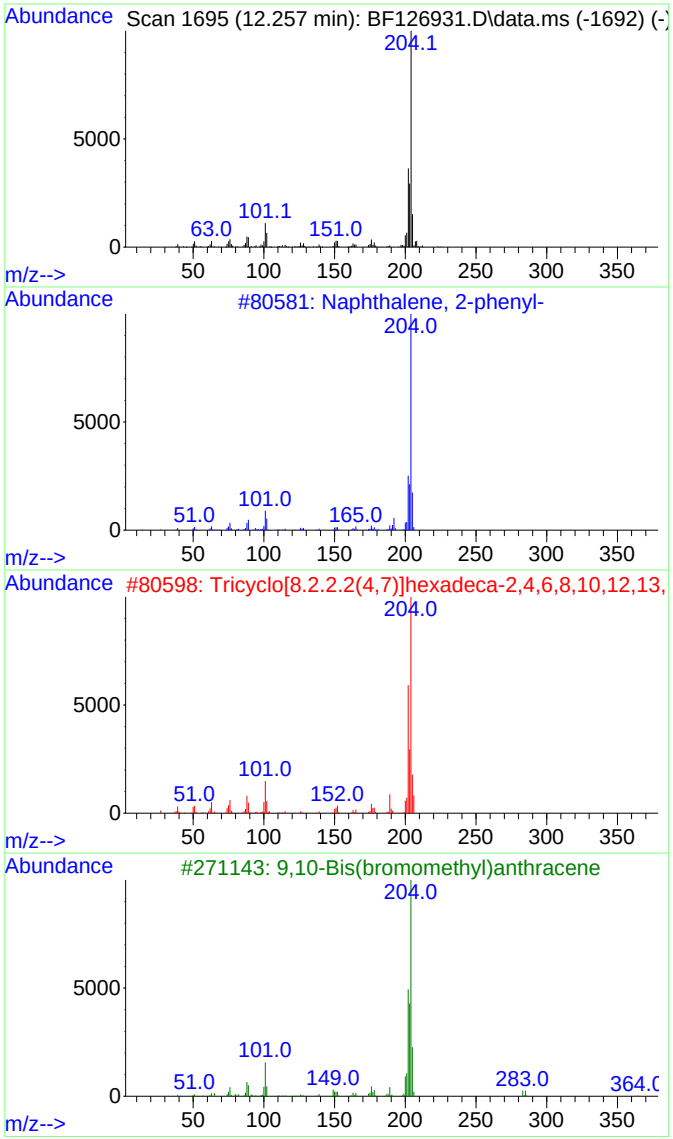
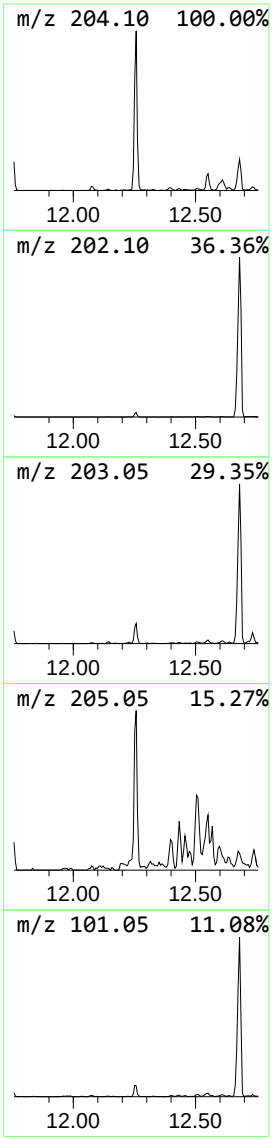
Peak Number 16 Naphthalene, 2-phenyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.257	6.07 ng	242118	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	91
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	80
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Benzene, 1,1'-(1-buten-3-yne-1,4...	204	C16H12	013141-45-2	58
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	53





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ALS Vial : 11 Sample Multiplier: 1

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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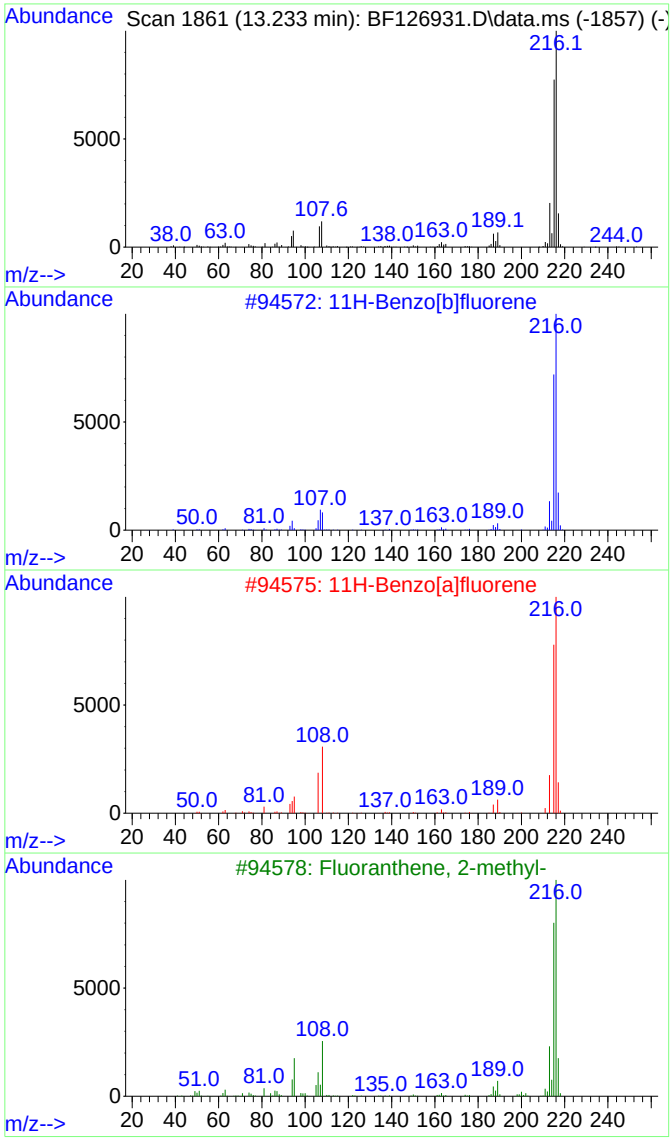
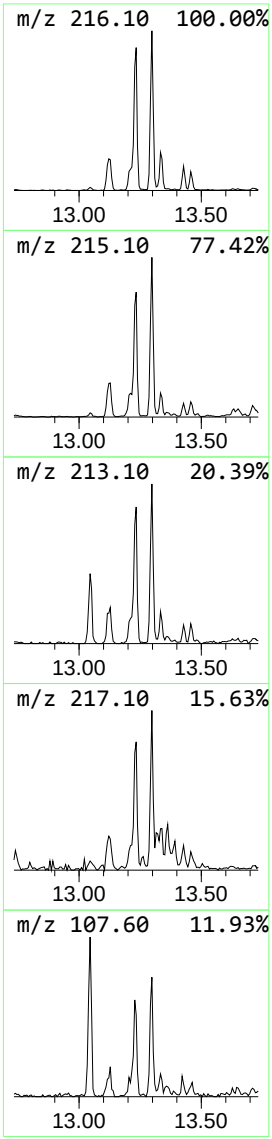
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.233	6.72 ng	383523	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
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	72





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Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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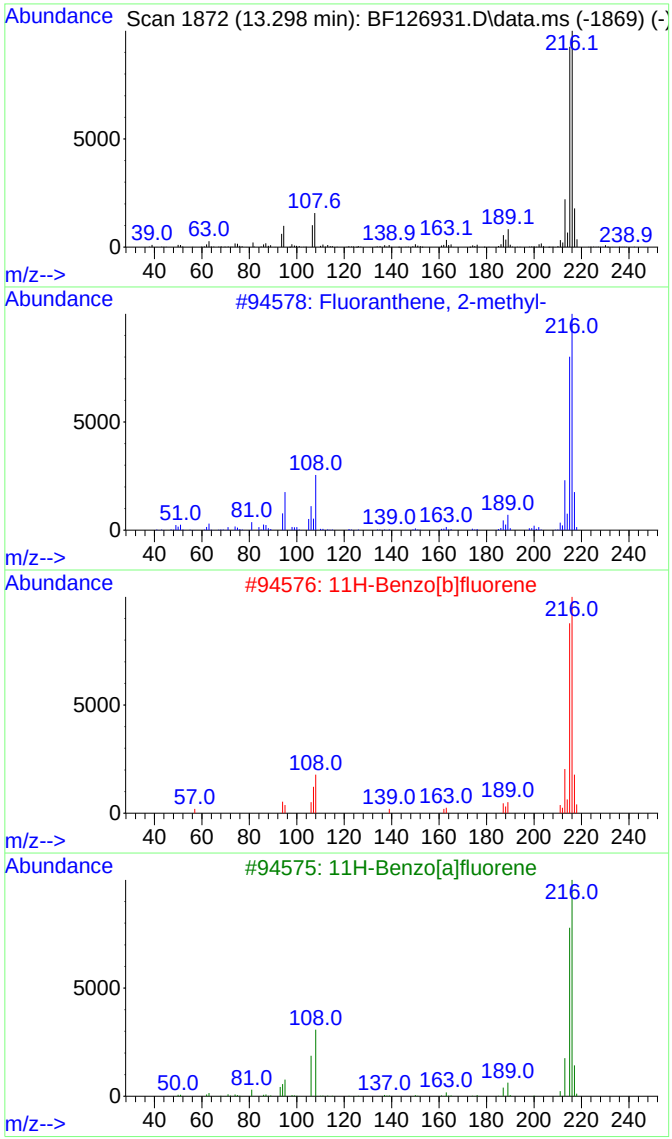
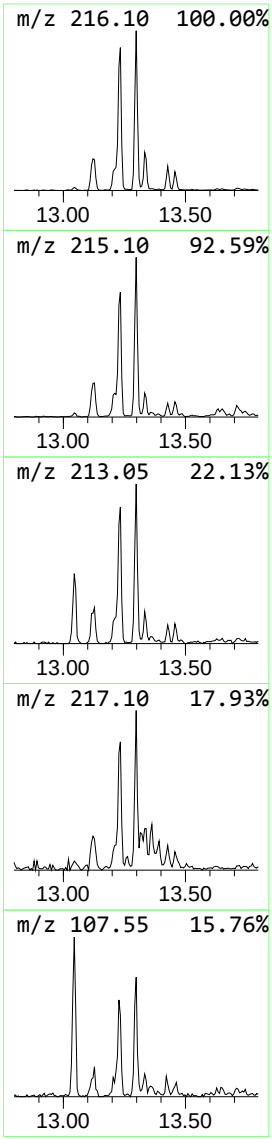
Peak Number 18 Fluoranthene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.298	6.66 ng	379887	Chrysene-d12	14.104

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	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	90
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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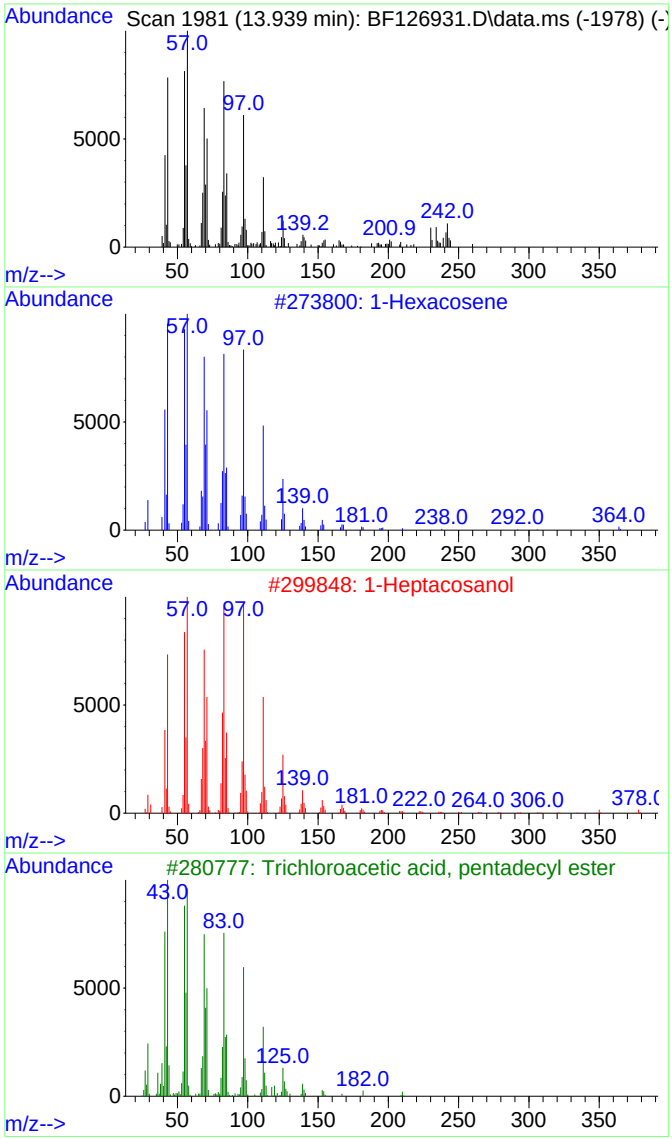
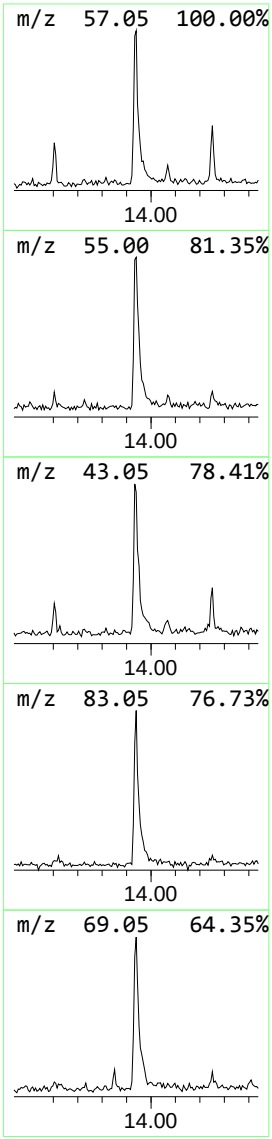
Peak Number 19 1-Hexacosene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.939	3.84 ng	218791	Chrysene-d12	14.104

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Hexacosene	364	C26H52	018835-33-1	91
2	1-Heptacosanol	396	C27H56O	002004-39-9	90
3	Trichloroacetic acid, pentadecyl...	372	C17H31Cl3O2	074339-53-0	87
4	Trichloroacetic acid, hexadecyl ...	386	C18H33Cl3O2	074339-54-1	87
5	Heptadecyl heptafluorobutyrate	452	C21H35F7O2	959085-66-6	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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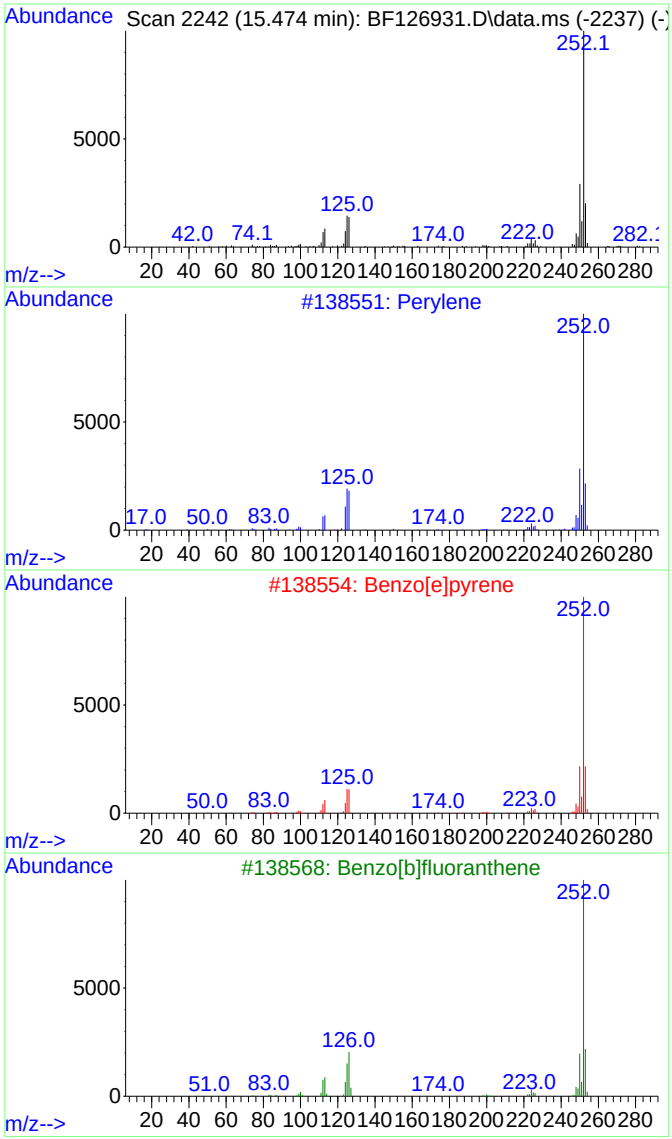
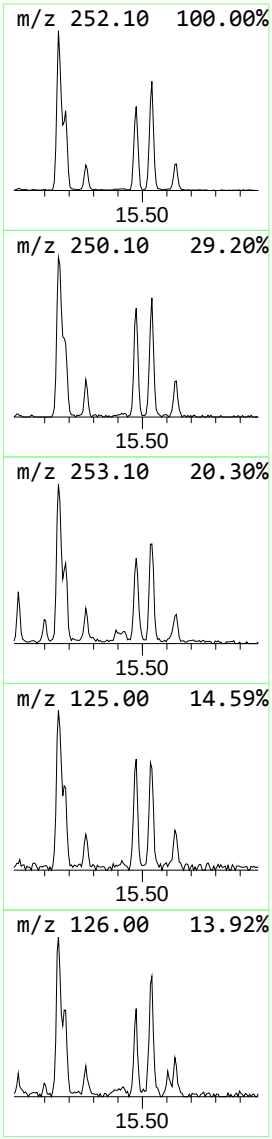
Peak Number 20 Perylene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.474	5.89 ng	157938	Perylene-d12	15.604

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Perylene	252	C20H12	000198-55-0	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF021722\
Data File : BF126931.D
Acq On : 17 Feb 2022 17:18
Operator : CG\JU
Sample : N1571-02
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-3

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF021622.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
Naphthalene, 1,...	9.551	8.3	ng	354973	3	9.969	855092	20.0
Naphthalene, 2,...	9.622	8.9	ng	381112	3	9.969	855092	20.0
Naphthalene, 2,...	9.651	4.0	ng	172638	3	9.969	855092	20.0
Diphenylmethane	10.604	7.0	ng	301305	3	9.969	855092	20.0
[1,1'-Biphenyl]...	10.675	9.2	ng	391420	3	9.969	855092	20.0
2,4,2',4'-Tetra...	10.863	5.2	ng	207379	4	11.463	797120	20.0
9H-Fluorene, 1-...	11.063	10.3	ng	411474	4	11.463	797120	20.0
1,1'-Biphenyl, ...	11.192	3.9	ng	154065	4	11.463	797120	20.0
4-(4-Methylphen...	11.304	5.6	ng	221952	4	11.463	797120	20.0
Dibenzothiophene	11.357	13.7	ng	543846	4	11.463	797120	20.0
Phenanthrene, 2...	11.963	12.1	ng	481814	4	11.463	797120	20.0
Phenanthrene, 1...	11.986	12.4	ng	496284	4	11.463	797120	20.0
Anthracene, 1-m...	12.033	5.4	ng	213987	4	11.463	797120	20.0
4H-Cyclopenta[d...	12.074	22.7	ng	903478	4	11.463	797120	20.0
1H-Cyclopropa[l...	12.092	4.1	ng	164345	4	11.463	797120	20.0
Naphthalene, 2-...	12.257	6.1	ng	242118	4	11.463	797120	20.0
11H-Benzo[b]flu...	13.233	6.7	ng	383523	5	14.104	1140990	20.0
Fluoranthene, 2...	13.298	6.7	ng	379887	5	14.104	1140990	20.0
1-Hexacosene	13.939	3.8	ng	218791	5	14.104	1140990	20.0
Perylene	15.474	5.9	ng	157938	6	15.604	536421	20.0