LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129493.D
Acq On : 02 Aug 2022 01:43
Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-3-072922

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: BF129493.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.510	544	548	555	rBV	2579672	2287488	30.26%	2.931%
2	6.522	716	720	727	rBV	2502357	2089551	27.65%	2.677%
3	6.875	777	780	783	rVB	914739	709179	9.38%	0.909%
4	7.439	872	876	879	rBV	1530650	1250189	16.54%	1.602%
5	7.792	934	936	942	rVB4	115429	111260	1.47%	0.143%
6	8.157	995	998	1001	rBV	965559	798776	10.57%	1.023%
7	8.204	1004	1006	1009	rVB2	151860	127557	1.69%	0.163%
8	8.239	1009	1012	1017	rBV4	91952	117262	1.55%	0.150%
9	8.357	1029	1032	1034	rVB	190053	137405	1.82%	0.176%
10	8.439	1042	1046	1051	rVB5	122230	176733	2.34%	0.226%
11	8.569	1065	1068	1070	rBV	162979	130583	1.73%	0.167%
12	8.692	1085	1089	1091	rBV2	167873	145348	1.92%	0.186%
13	8.869	1117	1119	1122	rVB	181146	132425	1.75%	0.170%
14	8.928	1126	1129	1132	rBV4	82895	103969	1.38%	0.133%
15	8.969	1132	1136	1139	rVB	230774	217905	2.88%	0.279%
16	9.169	1168	1170	1176	rVB2	359494	351523	4.65%	0.450%
17	9.233	1176	1181	1184	rBV	2444828	2102172	27.81%	2.693%
18	9.304	1190	1193	1196	rBV2	278368	335717	4.44%	0.430%
19	9.498	1222	1226	1229	rBV3	222513	299001	3.96%	0.383%
20	9.569	1235	1238	1241	rBV	289073	316924	4.19%	0.406%
21	9.598	1241	1243	1244	rVV	232342	183037	2.42%	0.235%
22	9.616	1244	1246	1250	rVV3	672196	709495	9.39%	0.909%
23	9.686	1254	1258	1260	rBV3	154212	176511	2.34%	0.226%
24	9.775	1270	1273	1276	rBV	902165	793065	10.49%	1.016%
25	9.822	1278	1281	1284	rVB2	308432	284139	3.76%	0.364%
26	9.892	1290	1293	1294	rBV2	193010	152956	2.02%	0.196%
27	9.916	1294	1297	1300	rVV	1012923	792622	10.49%	1.016%
28	9.945	1300	1302	1306	rVB	663054	568113	7.52%	0.728%
29	10.016	1310	1314	1318	rBV4	193366	283402	3.75%	0.363%
30	10.057	1318	1321	1322	rBV2	97574	105115	1.39%	0.135%
31	10.116	1325	1331	1335	rVB3	426328	541765	7.17%	0.694%
32	10.157	1335	1338	1341	rVB2	271097	228704	3.03%	0.293%
33	10.186	1341	1343	1346	rVB2	117249	105452	1.40%	0.135%
34	10.227	1347	1350	1353	rBV2	262615	298453	3.95%	0.382%
35	10.322	1361	1366	1367	rBV3	258726	327698	4.34%	0.420%
36	10.369	1371	1374	1376	rBV2	153610	150230	1.99%	0.192%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
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Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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	10.410	1379	1381	1384	rVB3	185581	171028	2.26%	0.219%
38	10.463	1387	1390	1393	rBV	792281	743439	9.84%	0.953%
39	10.551	1403	1405	1407	rVB2	254961	201752	2.67%	0.258%
40	10.710	1428	1432	1435	rBV	1584876	1428387	18.90%	1.830%
41	10.739	1435	1437	1442	rVB3	114710	146089	1.93%	0.187%
42	10.822	1446	1451	1459	rVB3	536074	739514	9.78%	0.947%
43	10.898	1462	1464	1467	rBV	125960	122349	1.62%	0.157%
44	11.016	1479	1484	1486	rBV2	208836	329458	4.36%	0.422%
45	11.092	1495	1497	1500	rVB2	131973	116935	1.55%	0.150%
46	11.210	1515	1517	1520	rVV2	152308	118636	1.57%	0.152%
47	11.257	1522	1525	1527	rVV2	219383	232106	3.07%	0.297%
48	11.286	1527	1530	1531	rVV	368322	359524	4.76%	0.461%
49	11.304	1531	1533	1537	rVB	408541	343513	4.54%	0.440%
50	11.410	1547	1551	1552	rBV	923052	914197	12.10%	1.171%
51	11.433	1552	1555	1558	rVV	3920527	3473418	45.95%	4.450%
52	11.480	1560	1563	1566	rVV	1322818	1195635	15.82%	1.532%
53	11.516	1566	1569	1572	rVB2	159521	201927	2.67%	0.259%
54	11.639	1587	1590	1595	rBV2	322043	369783	4.89%	0.474%
55	11.739	1604	1607	1611	rVB2	291457	325597	4.31%	0.417%
56	11.821	1618	1621	1624	rBV	147493	138737	1.84%	0.178%
57	11.910	1633	1636	1638	rBV	634999	592737	7.84%	0.759%
58	11.939	1638	1641	1644	rVB	877568	807956	10.69%	1.035%
59	11.986	1646	1649	1651	rBV	397631	347327	4.60%	0.445%
60	12.021	1652	1655	1658	rVV2	1285069	1427553	18.89%	1.829%
61	12.045	1658	1659	1664	rVB	524763	296039	3.92%	0.379%
62	12.092	1664	1667	1669	rBV	224840	201998	2.67%	0.259%
63	12.139	1673	1675	1678	rBV2	142626	135100	1.79%	0.173%
64	12.204	1683	1686	1688	rVV	555983	458102	6.06%	0.587%
65	12.233	1688	1691	1696	rVB2	376713	351311	4.65%	0.450%
66	12.333	1706	1708	1710	rBV	172642	173443	2.29%	0.222%
67	12.380	1714	1716	1719	rVV2	188976	191128	2.53%	0.245%
68	12.457	1726	1729	1731	rBV	528235	508956	6.73%	0.652%
69	12.480	1731	1733	1734	rBV	170778	114348	1.51%	0.147%
70	12.551	1742	1745	1749	rBV2	481517	609211	8.06%	0.781%
71	12.633	1754	1759	1762	rBV	6294680	7052860	93.31%	9.036%
72	12.668	1762	1765	1766	rVV	194123	170249	2.25%	0.218%
73	12.686	1766	1768	1771	rVV	205912	197276	2.61%	0.253%
74	12.721	1771	1774	1776	rVB	354842	296504	3.92%	0.380%
75	12.868	1791	1799	1802	rBV2	5460633	7558461	100.00%	9.684%
76	12.904	1802	1805	1809	rVB2	403573	461422	6.10%	0.591%

LSC Area Percent Report

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Data File : BF129493.D
Acq On : 02 Aug 2022 01:43
Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

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Peak separation: 5

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

77	12.992	1817	1820	1822	rVB	2410976	1871661	24.76%	2.398%
78	13.016	1822	1824	1827	rVB	361461	311868	4.13%	0.400%
79	13.068	1830	1833	1838	rVB2	425654	675198	8.93%	0.865%
80	13.157	1845	1848	1849	rBV2	428109	435134	5.76%	0.557%
81	13.186	1850	1853	1855	rVB2	1076026	1011906	13.39%	1.296%
82	13.210	1855	1857	1859	rBV2	235434	199330	2.64%	0.255%
83	13.251	1861	1864	1866	rVB	974417	775784	10.26%	0.994%
84	13.286	1866	1870	1873	rBV2	741561	836428	11.07%	1.072%
85	13.380	1884	1886	1889	rBV	365721	254709	3.37%	0.326%
86	13.410	1889	1891	1898	rVB2	416870	586021	7.75%	0.751%
87	13.692	1937	1939	1943	rVB	443620	443782	5.87%	0.569%
88	13.804	1956	1958	1961	rVB	442705	334437	4.42%	0.428%
89	13.833	1961	1963	1965	rBV	386345	291019	3.85%	0.373%
90	13.857	1965	1967	1973	rBV4	475273	747675	9.89%	0.958%
91	14.051	1996	2000	2004	rBV2	2860691	3715427	49.16%	4.760%
92	14.086	2004	2006	2013	rVB	2682597	2570604	34.01%	3.293%
93	14.162	2017	2019	2021	rBV	545995	443195	5.86%	0.568%
94	15.115	2176	2181	2184	rBV	2001241	3194313	42.26%	4.093%
95	15.221	2197	2199	2206	rVB	516488	606156	8.02%	0.777%
96	15.427	2230	2234	2239	rVB	1111043	1543561	20.42%	1.978%
97	15.492	2240	2245	2249	rVB	1826670	2336366	30.91%	2.993%
98	15.586	2258	2261	2266	rVB2	578781	760905	10.07%	0.975%
99	17.062	2507	2512	2521	rVB2	769593	1621485	21.45%	2.077%
100	17.527	2586	2591	2600	rVB	581201	1218361	16.12%	1.561%

Sum of corrected areas: 78051054

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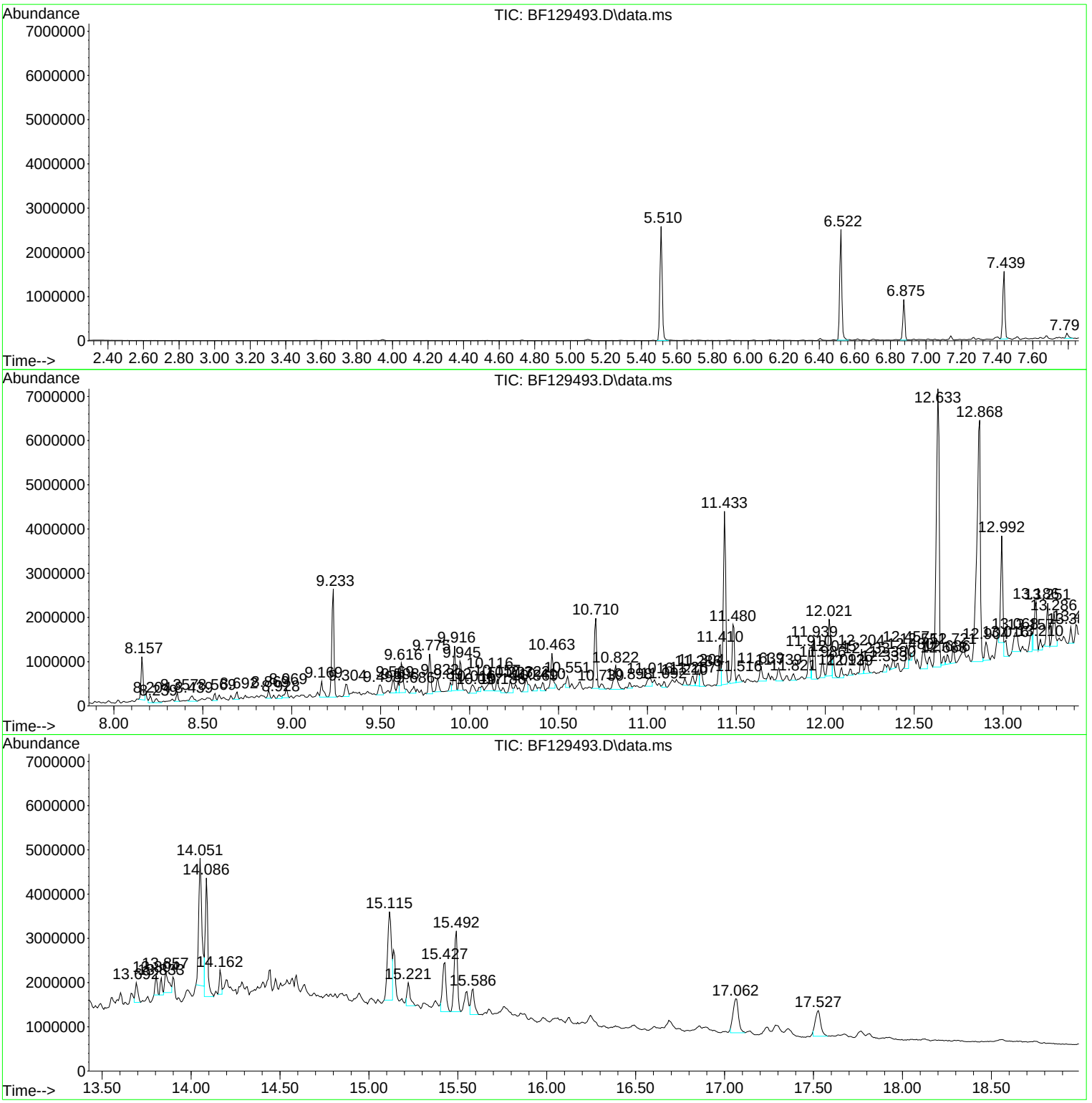
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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\BF080122\
Data File : BF129493.D
Acq On : 02 Aug 2022 01:43
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Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

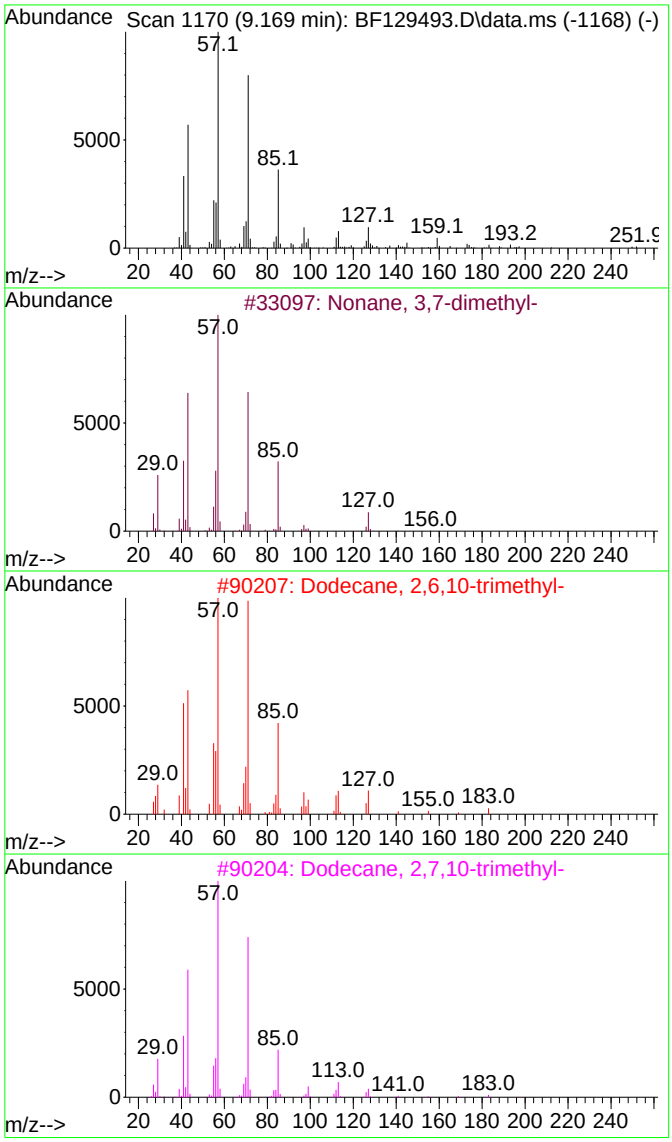
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

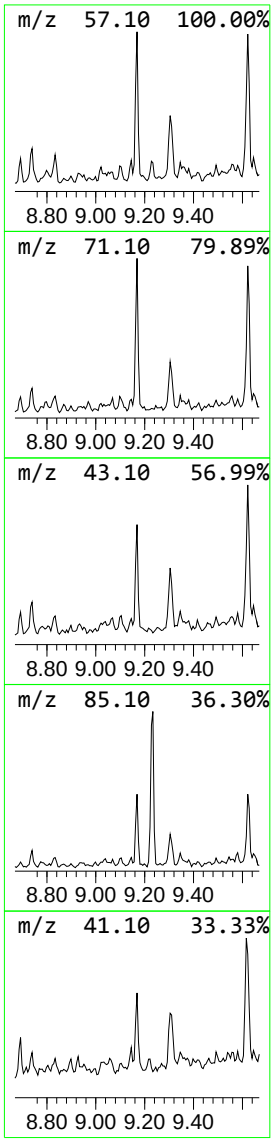
****

Peak Number 1 Nonane, 3,7-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.169	8.87 ng	351523	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Nonane, 3,7-dimethyl-	156	C11H24	017302-32-8	87
2	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	87
3	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	80
4	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	78
5	Nonane, 2,6-dimethyl-	156	C11H24	017302-28-2	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129493.D
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Sample : N3982-01
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ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

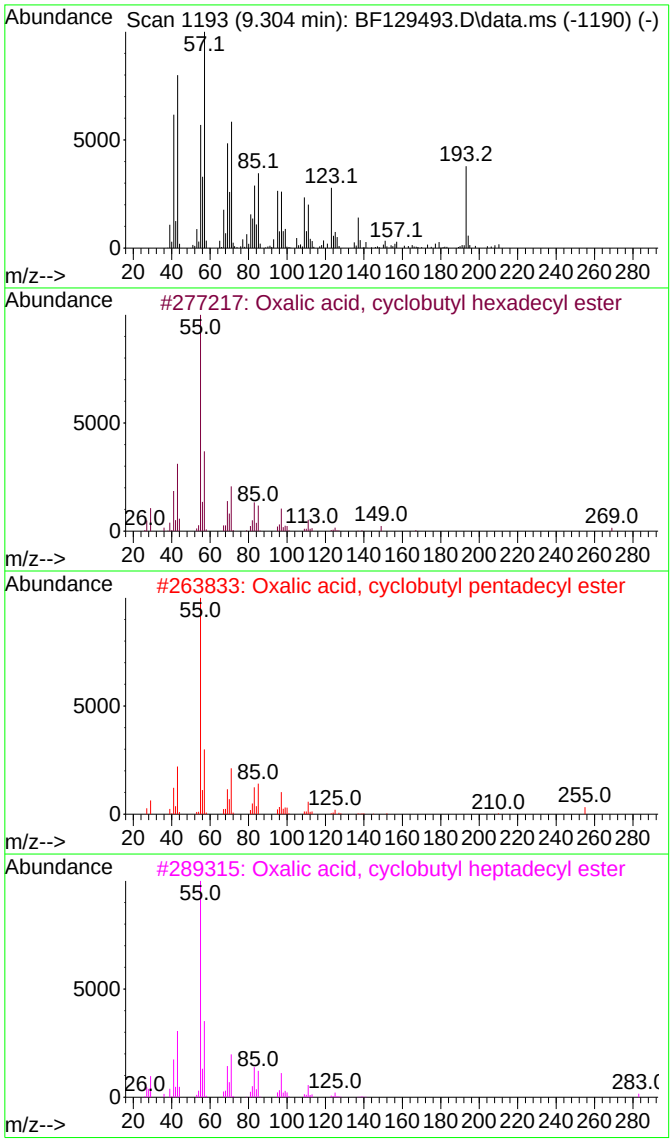
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

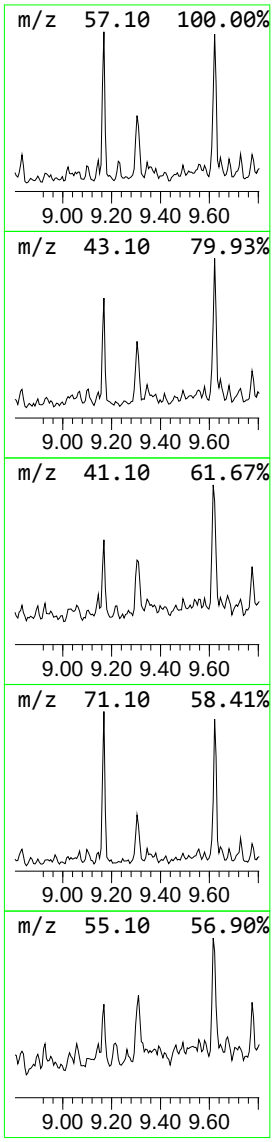
****

Peak Number 2 unknown9.304 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.304	8.47 ng	335717	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclobutyl hexadecy...	368	C22H40O4	1000309-70-6	43
2	Oxalic acid, cyclobutyl pentadec...	354	C21H38O4	1010309-70-5	43
3	Oxalic acid, cyclobutyl heptadec...	382	C23H42O4	1000309-70-7	43
4	1-Decanol, 2-octyl-	270	C18H38O	045235-48-1	38
5	Tetradecane	198	C14H30	000629-59-4	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129493.D
Acq On : 02 Aug 2022 01:43
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Sample : N3982-01
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BNA_F
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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

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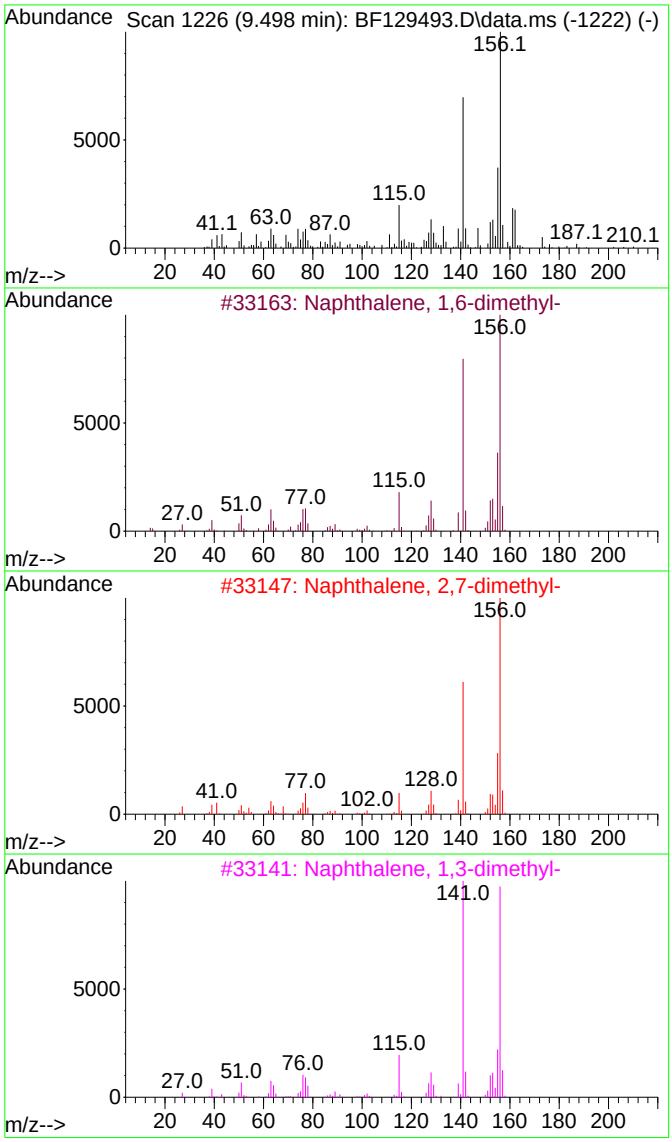
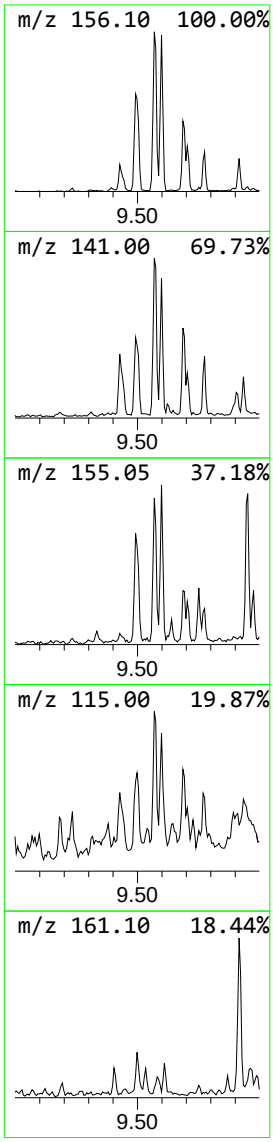
Peak Number 3 Naphthalene, 1,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.498	7.54 ng	299001	Acenaphthene-d10	9.916

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, 1,3-dimethyl-	156	C12H12	000575-41-7	96
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96
5	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129493.D
Acq On : 02 Aug 2022 01:43
Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

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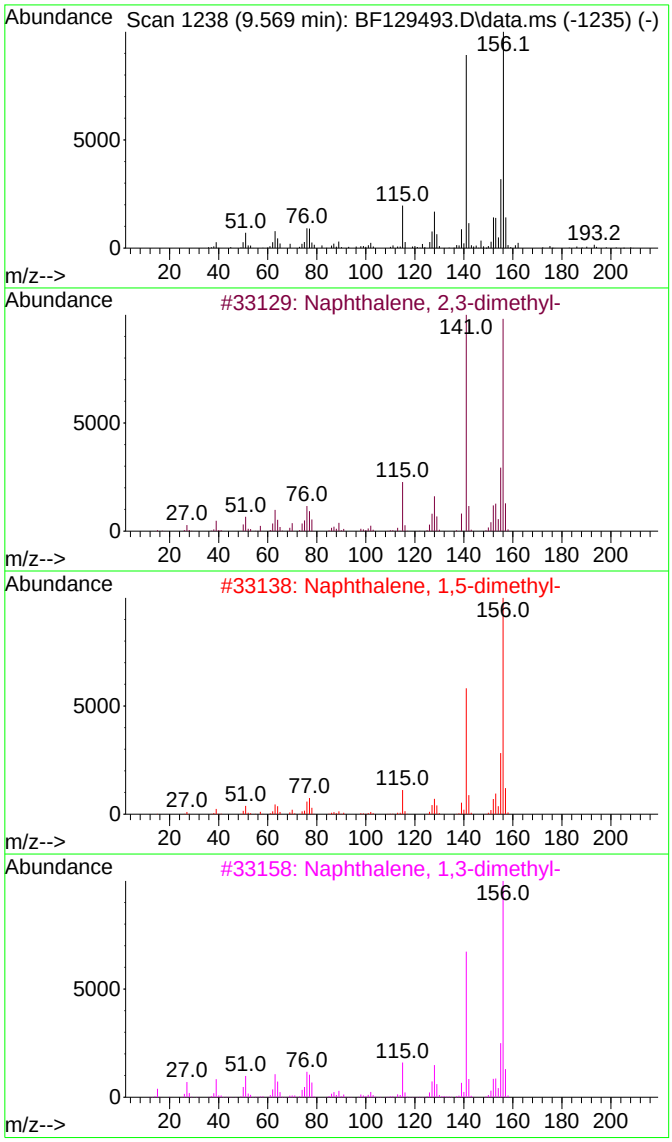
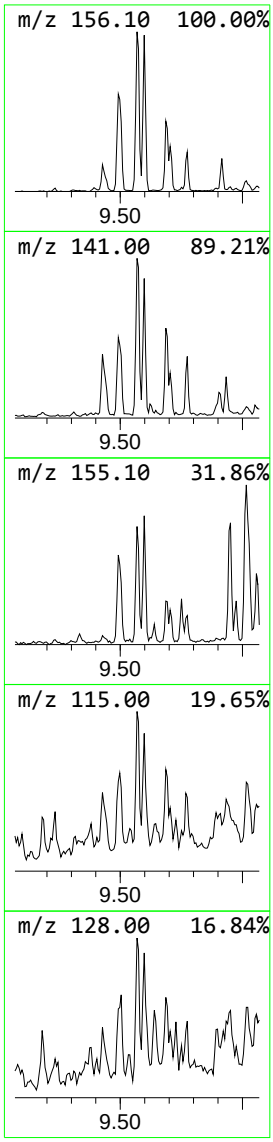
Peak Number 4 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.569	8.00 ng	316924	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	97
3	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
4	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129493.D
Acq On : 02 Aug 2022 01:43
Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

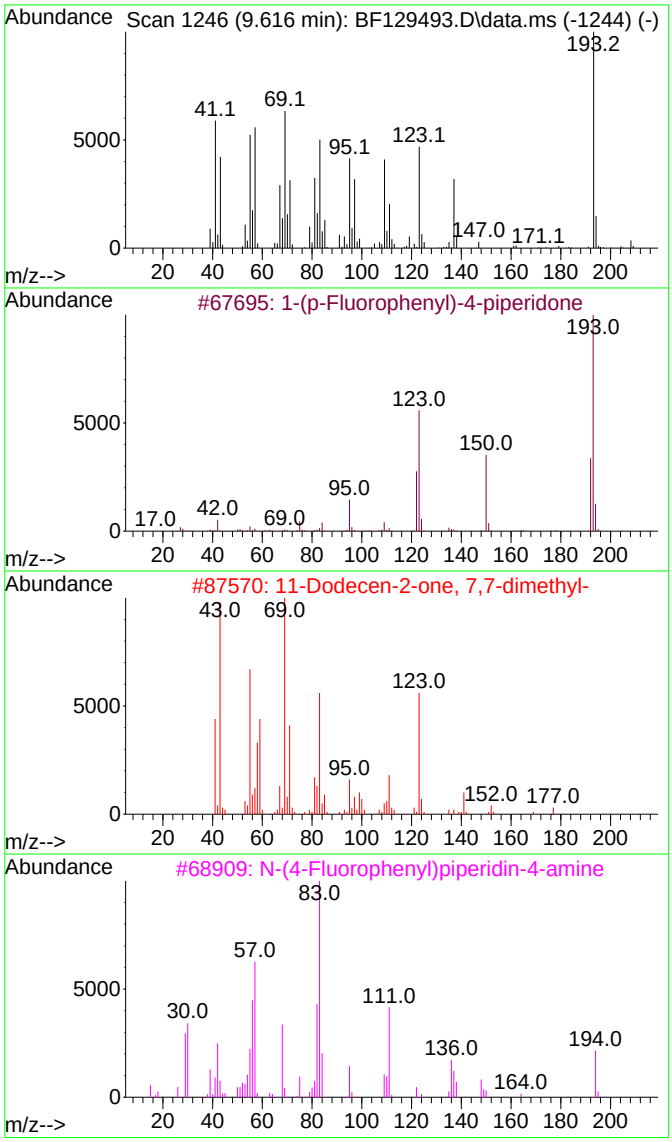
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

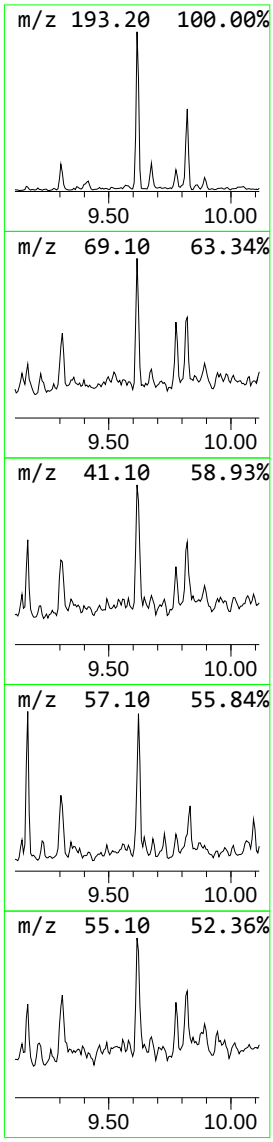
****

Peak Number 5 unknown9.616 Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.616	17.90 ng	709495	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-(p-Fluorophenyl)-4-piperidone	193	C11H12FNO	1000238-56-7	38
2	11-Dodecen-2-one, 7,7-dimethyl-	210	C14H26O	035194-22-0	22
3	N-(4-Fluorophenyl)piperidin-4-amine	194	C11H15FN2	038043-08-2	15
4	Acridine, 9-methyl-	193	C14H11N	000611-64-3	14
5	6-Methylphenanthridine	193	C14H11N	003955-65-5	14





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Acq On : 02 Aug 2022 01:43
Operator : CG\JU
Sample : N3982-01
Misc :
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ClientSampleId :
OR-3-072922

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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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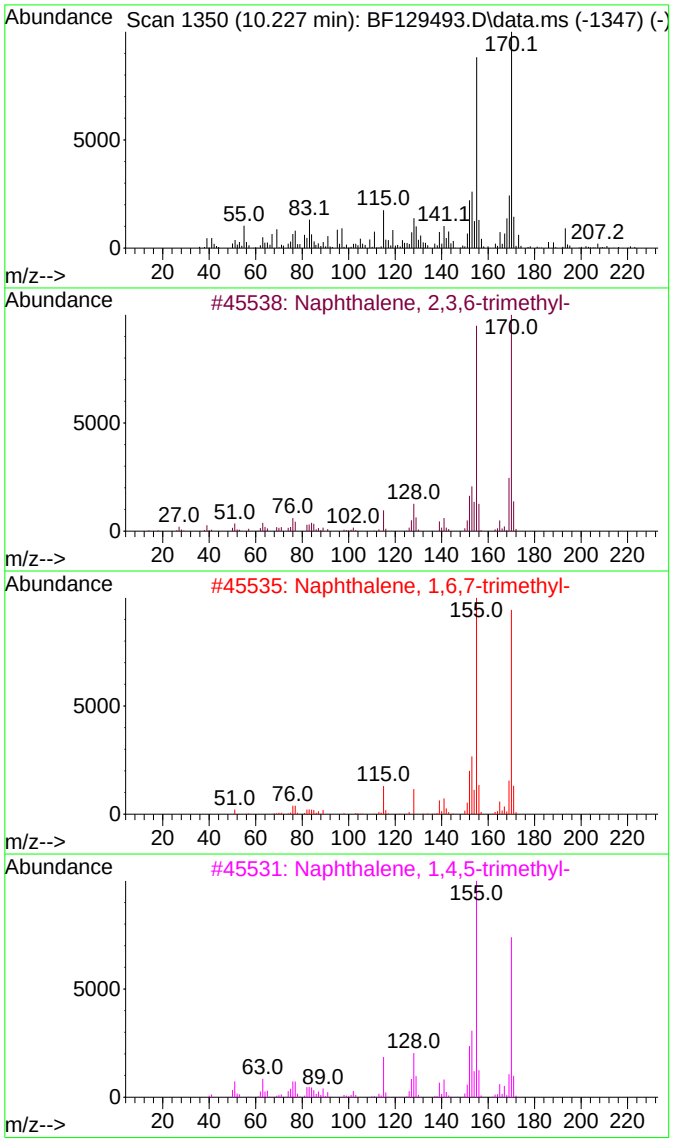
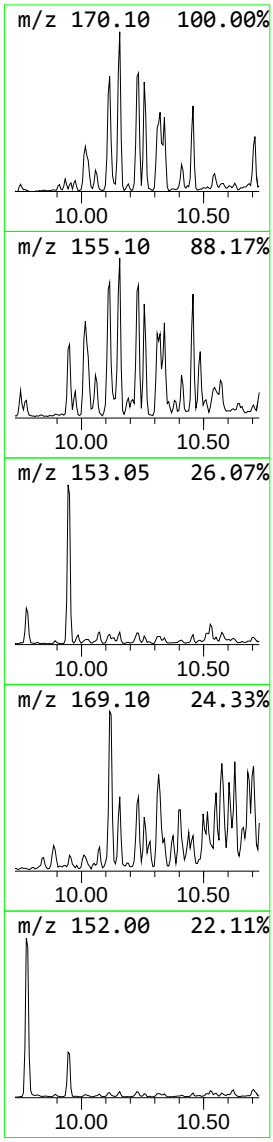
Peak Number 6 Naphthalene, 2,3,6-trimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.227	7.53 ng	298453	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	98
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	96
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	95
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	94





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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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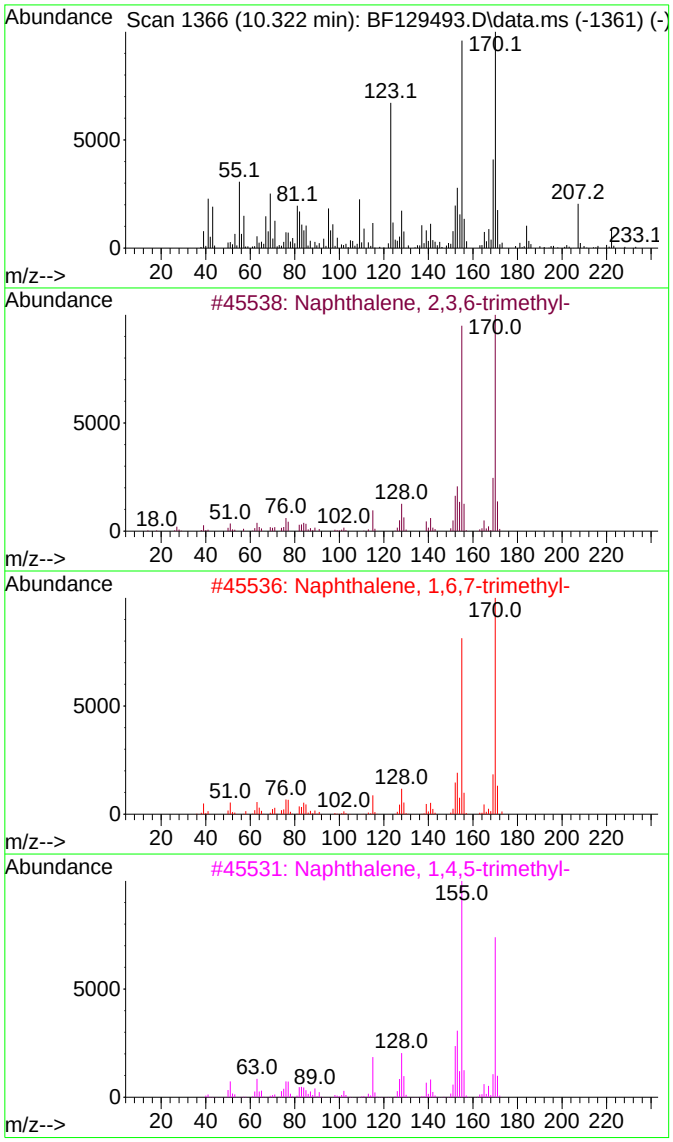
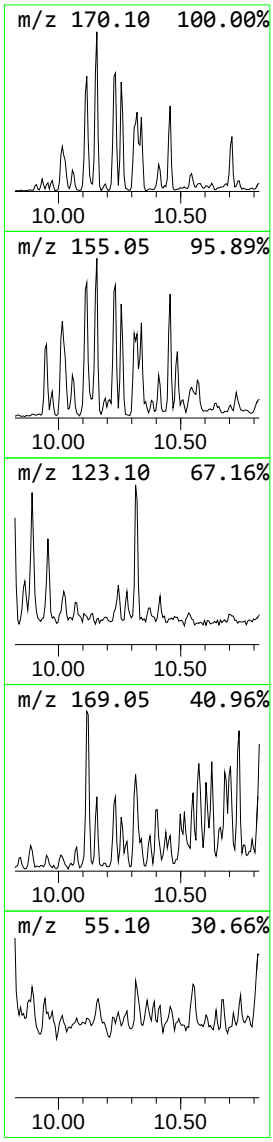
Peak Number 7 Naphthalene, 1,6,7-trimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.322	8.27 ng	327698	Acenaphthene-d10	9.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3,6-trimethyl-	170	C13H14	000829-26-5	97
2	Naphthalene, 1,6,7-trimethyl-	170	C13H14	002245-38-7	96
3	Naphthalene, 1,4,5-trimethyl-	170	C13H14	002131-41-1	90
4	Naphthalene, 1,4,6-trimethyl-	170	C13H14	002131-42-2	83
5	4,6,8-Trimethylazulene	170	C13H14	000941-81-1	83





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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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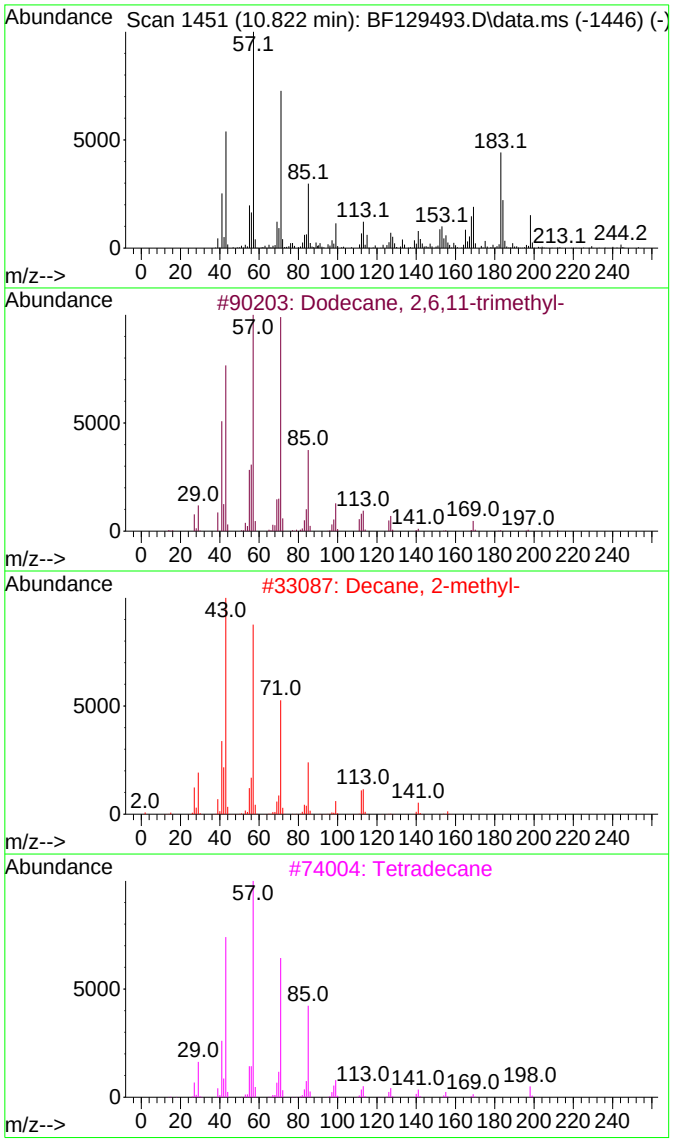
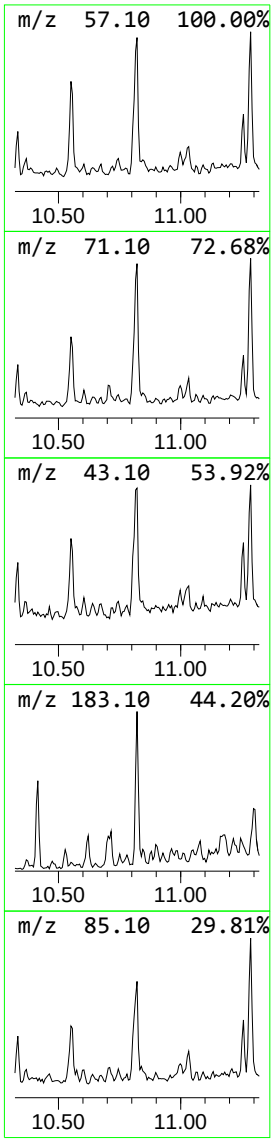
Peak Number 8 Dodecane, 2,6,11-trimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.822	16.18 ng	739514	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	55
2	Decane, 2-methyl-	156	C11H24	006975-98-0	42
3	Tetradecane	198	C14H30	000629-59-4	41
4	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	38
5	Pentadecane, 2,6,10-trimethyl-	254	C18H38	003892-00-0	38





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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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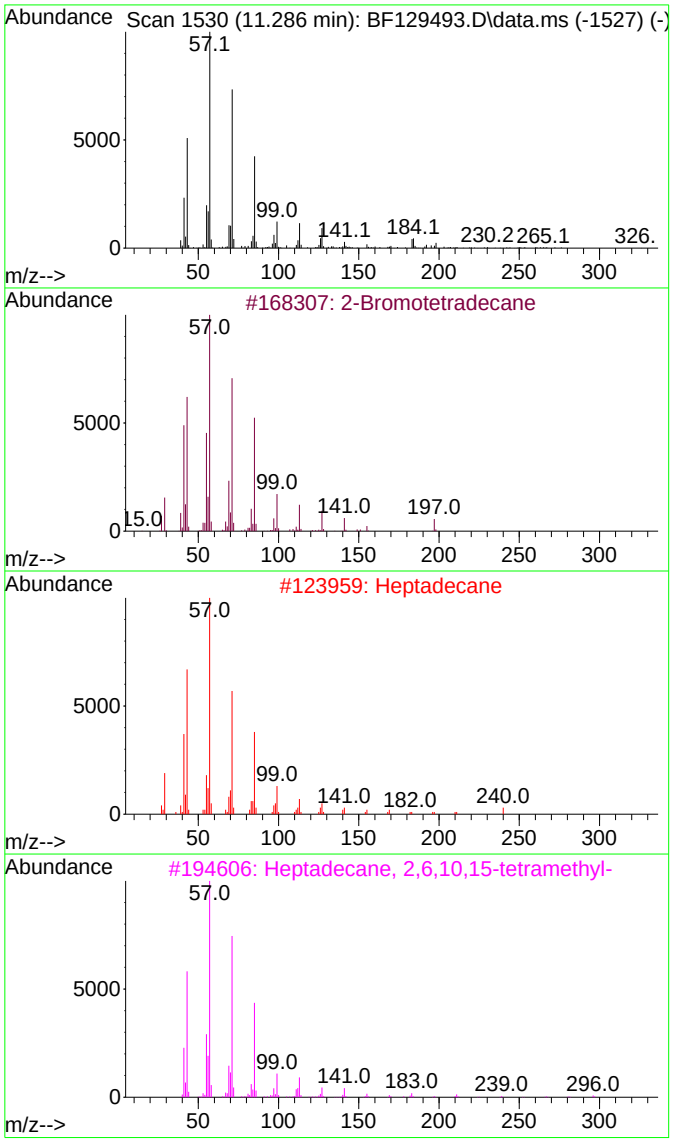
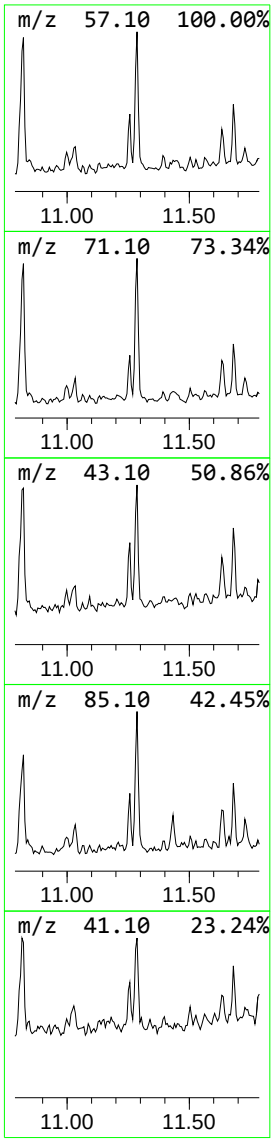
Peak Number 9 2-Bromotetradecane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.286	7.87 ng	359524	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Bromotetradecane	276	C14H29Br	074036-95-6	86
2	Heptadecane	240	C17H36	000629-78-7	86
3	Heptadecane, 2,6,10,15-tetramethyl-	296	C21H44	054833-48-6	86
4	Heneicosane	296	C21H44	000629-94-7	86
5	Octadecane	254	C18H38	000593-45-3	83





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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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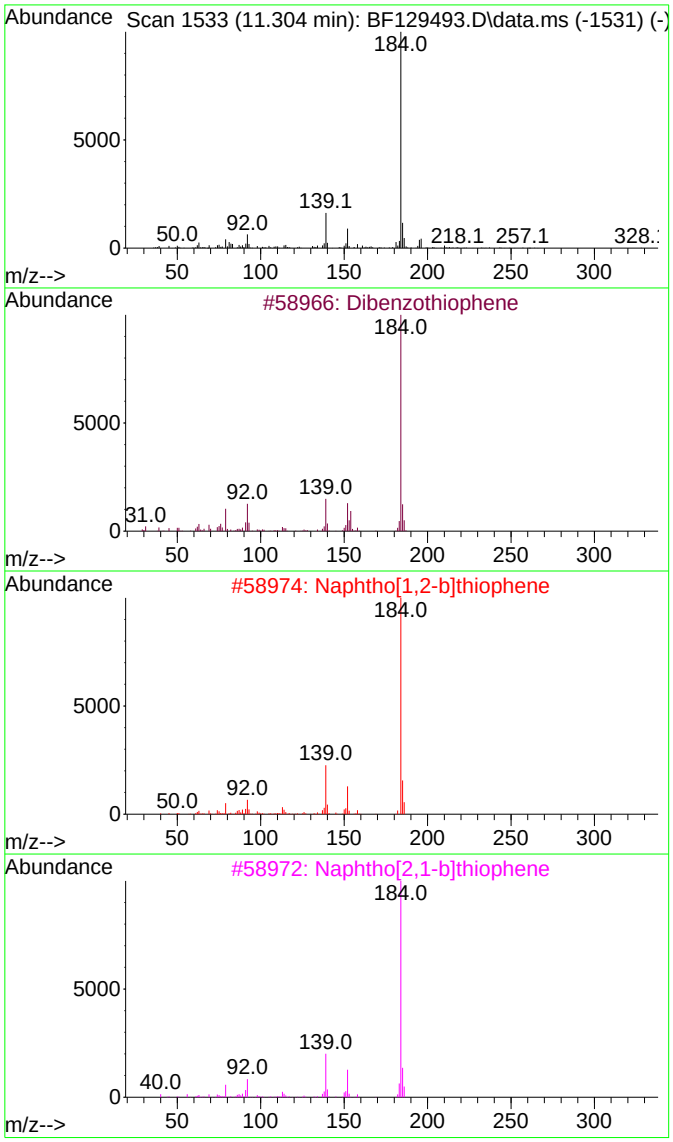
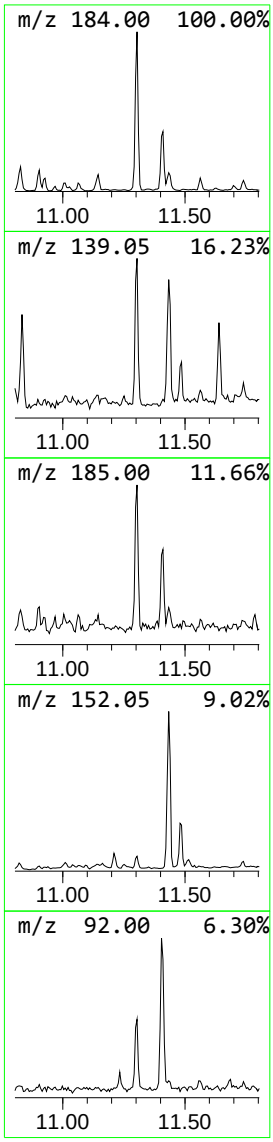
Peak Number 10 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	7.52 ng	343513	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	91
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	91
3	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	87
4	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	83
5	Naphthalene, 2-ethenyl-6-methoxy-	184	C13H12O	063444-51-9	72





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ALS Vial : 19 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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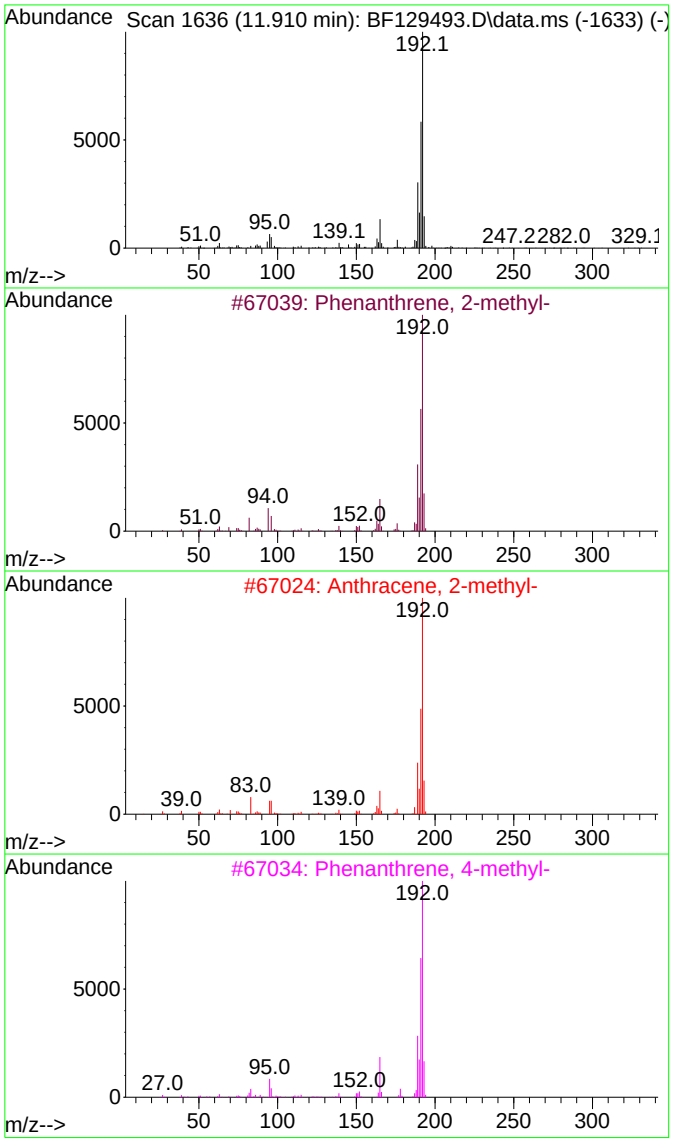
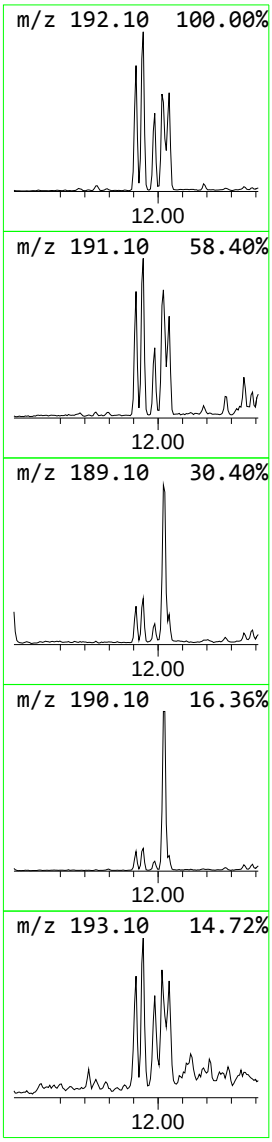
Peak Number 11 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.910	12.97 ng	592737	Phenanthrene-d10	11.410

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	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94





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Misc :
ALS Vial : 19 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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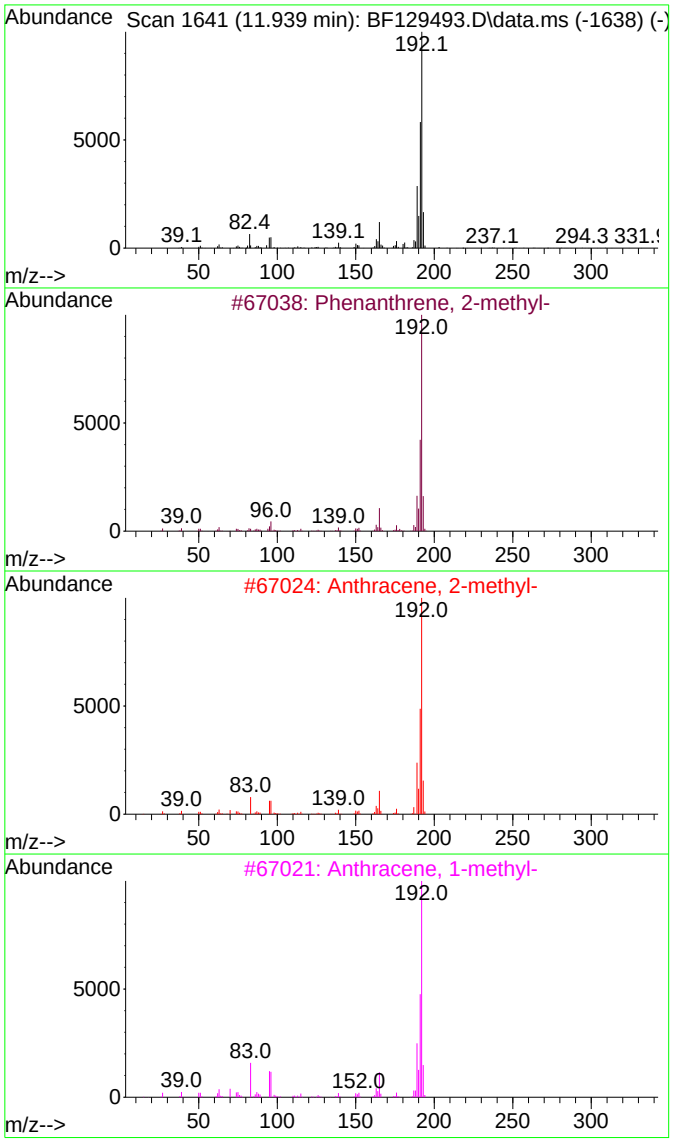
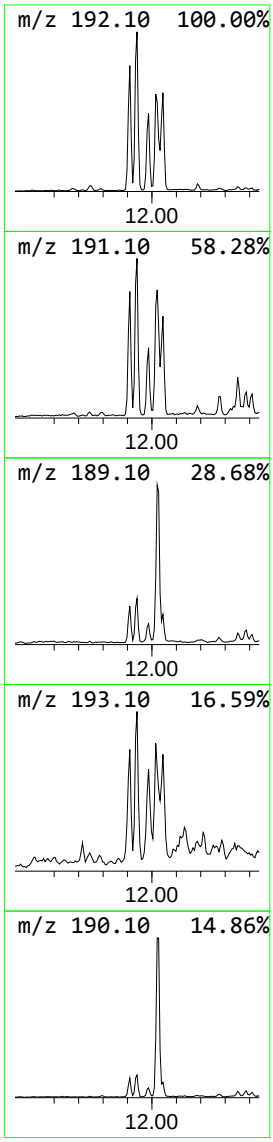
Peak Number 12 Anthracene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	17.68 ng	807956	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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ALS Vial : 19 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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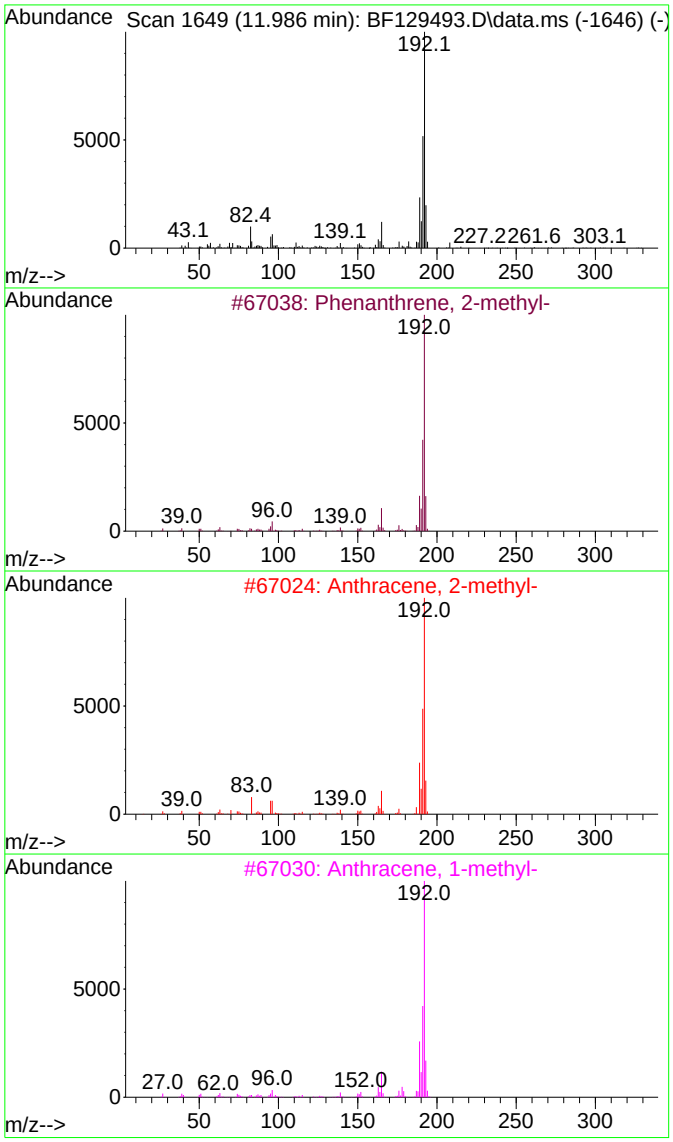
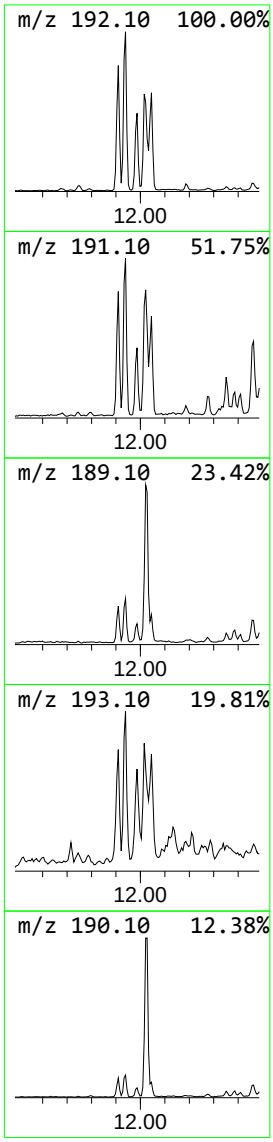
Peak Number 13 Anthracene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.986	7.60 ng	347327	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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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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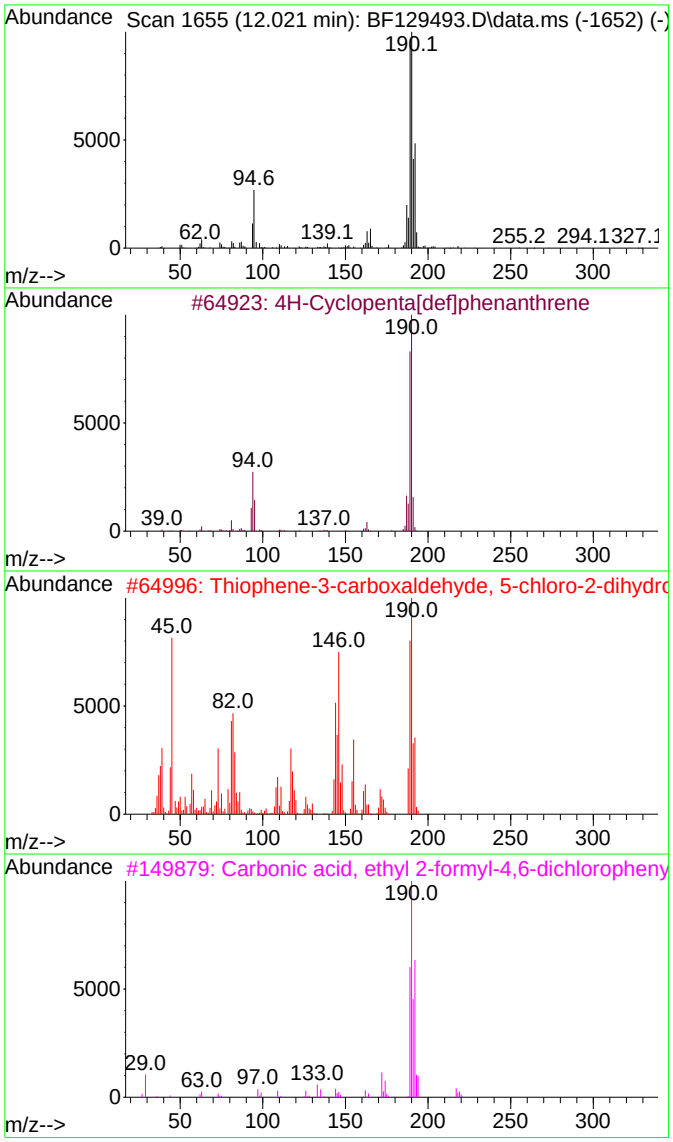
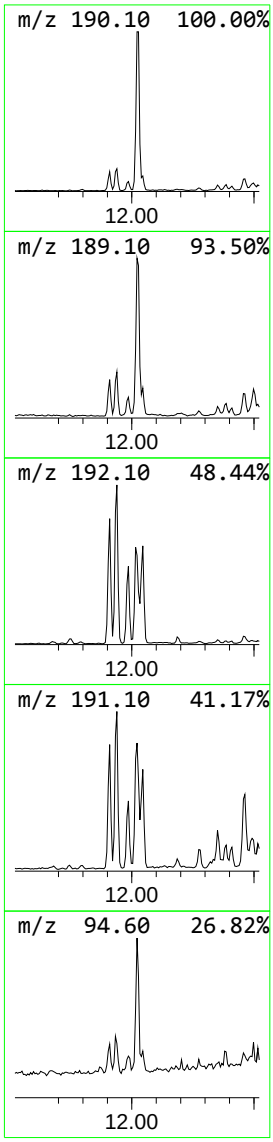
Peak Number 14 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.022	31.23 ng	1427550	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	Carbonic acid, ethyl 2-formyl-4,...	262	C10H8Cl2O4	1000331-34-4	50
4	4,6-Dichloro-2-ethylpyrimidin-5-...	191	C6H7Cl2N3	006237-96-3	38
5	Methyl diselenide	190	C2H6Se2	007101-31-7	38





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TIC Library : C:\Database\NIST20.L
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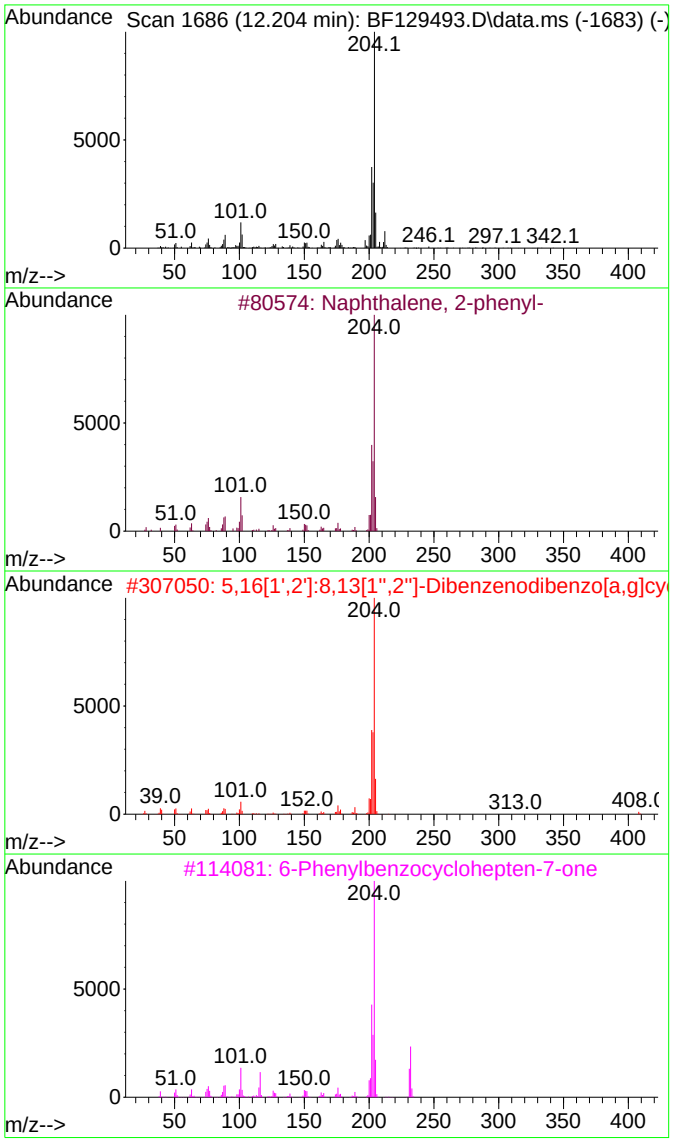
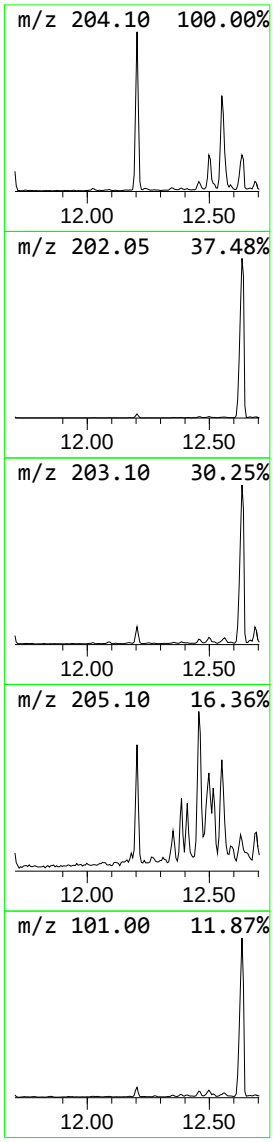
Peak Number 15 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.204	10.02 ng	458102	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	87
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	72
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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TIC Library : C:\Database\NIST20.L
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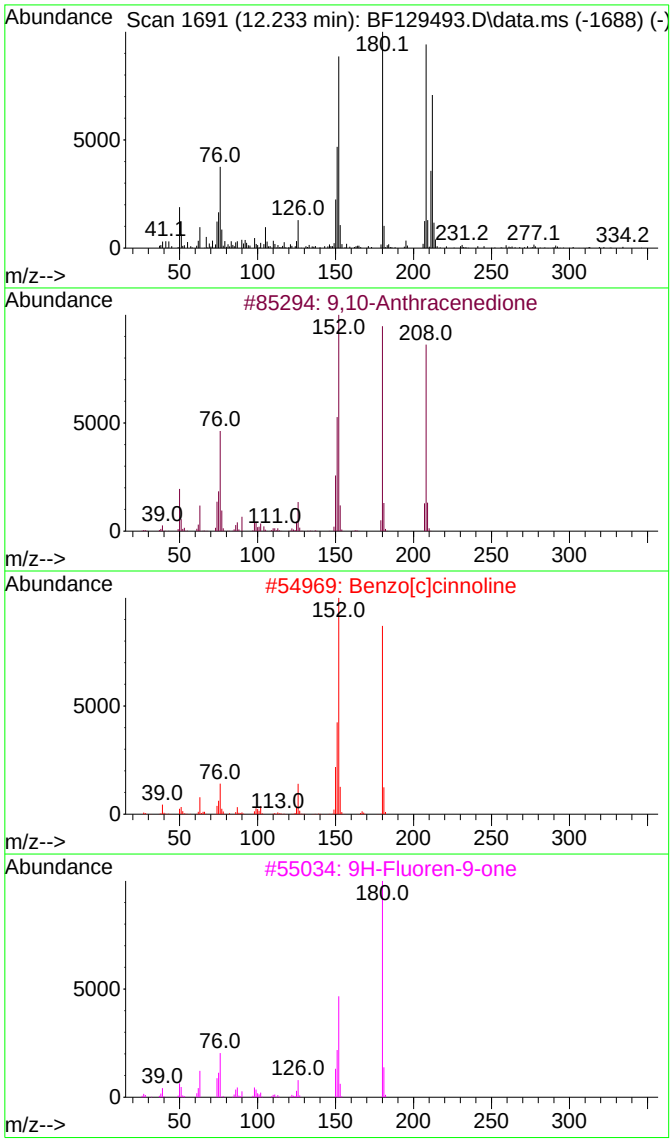
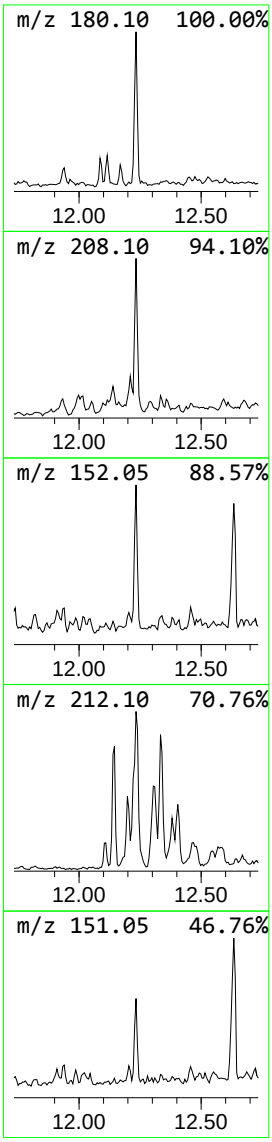
Peak Number 16 9,10-Anthracenedione Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	7.69 ng	351311	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	90
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	53
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	49
4	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43
5	2-Hydroxy-5-methoxybenzaldehyde,...	208	C12H16O3	1000395-40-1	27





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Data File : BF129493.D
Acq On : 02 Aug 2022 01:43
Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

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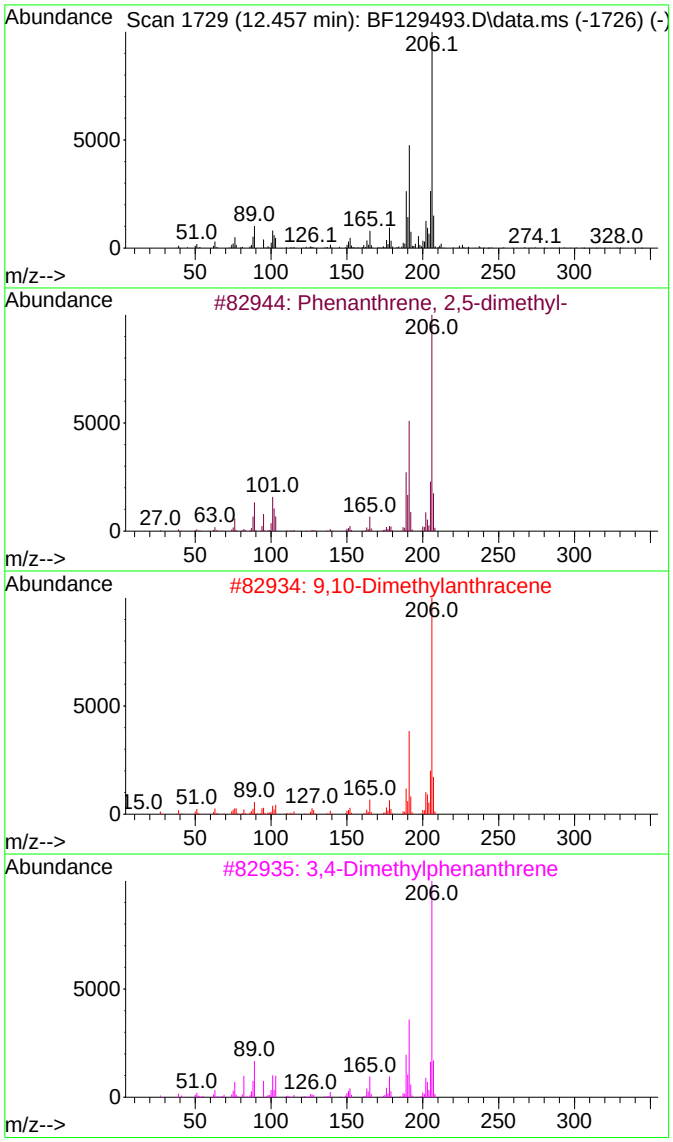
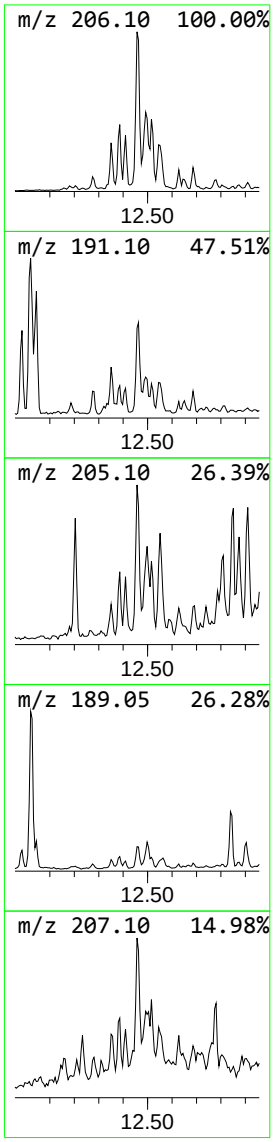
Peak Number 17 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.457	11.13 ng	508956	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	90
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	89
4	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	89
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	87





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Data File : BF129493.D
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Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

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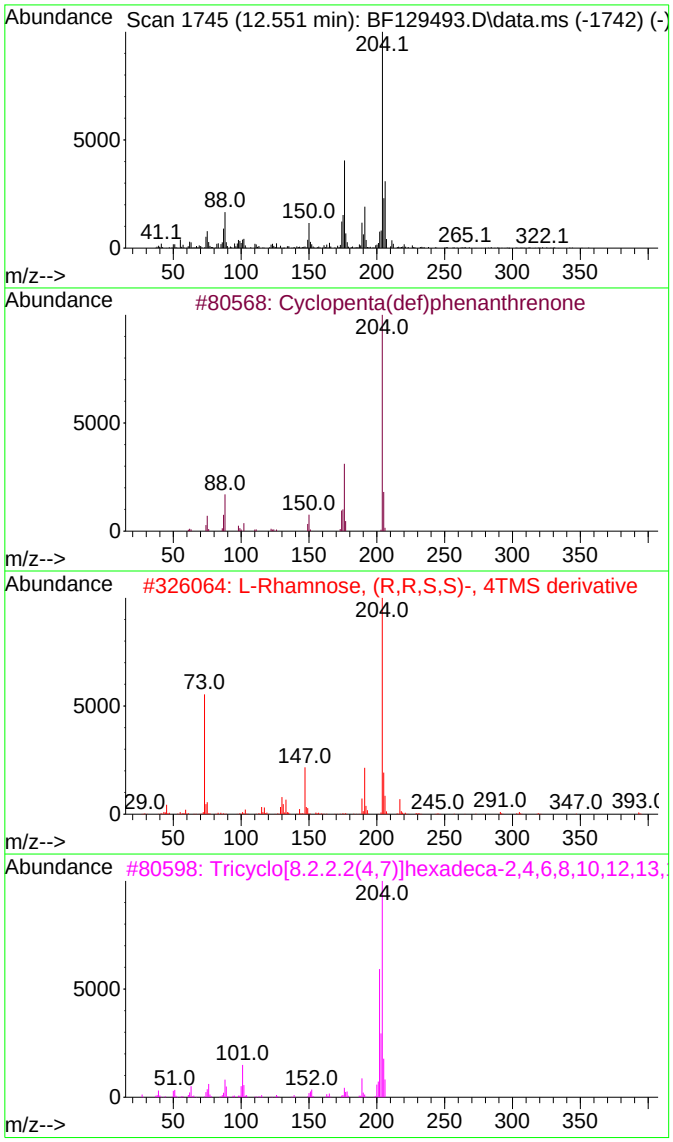
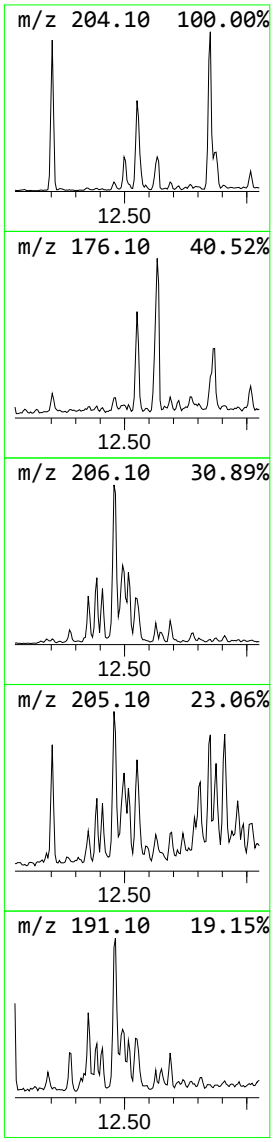
Peak Number 18 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.551	13.33 ng	609211	Phenanthrene-d10	11.410

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43
4	Pyrimidine, 4-chloro-6-(4-methyl...	204	C11H9ClN2	1000380-55-8	43
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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Data File : BF129493.D
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Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

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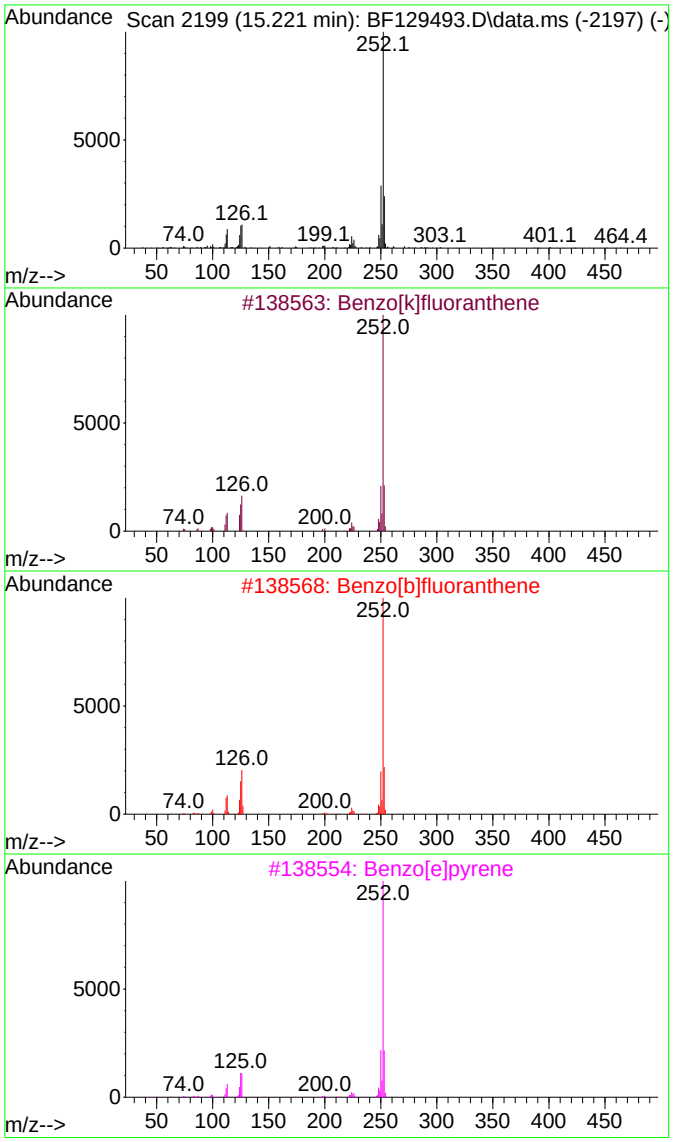
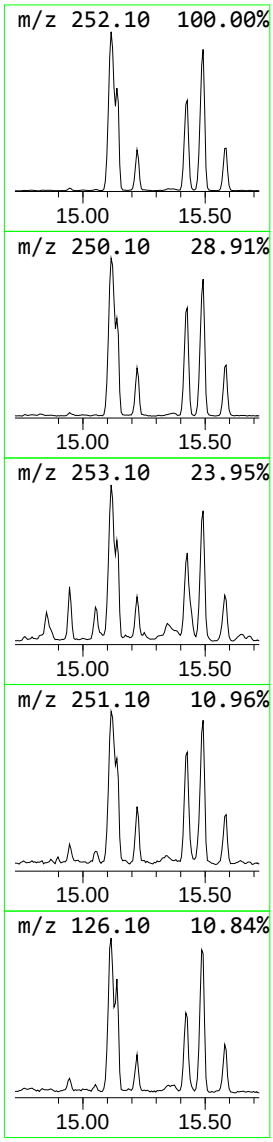
Peak Number 19 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	15.93 ng	606156	Perylene-d12	15.551

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	93
3	Benzo[e]pyrene	252	C20H12	000192-97-2	93
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[a]pyrene	252	C20H12	000050-32-8	90





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Acq On : 02 Aug 2022 01:43
Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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

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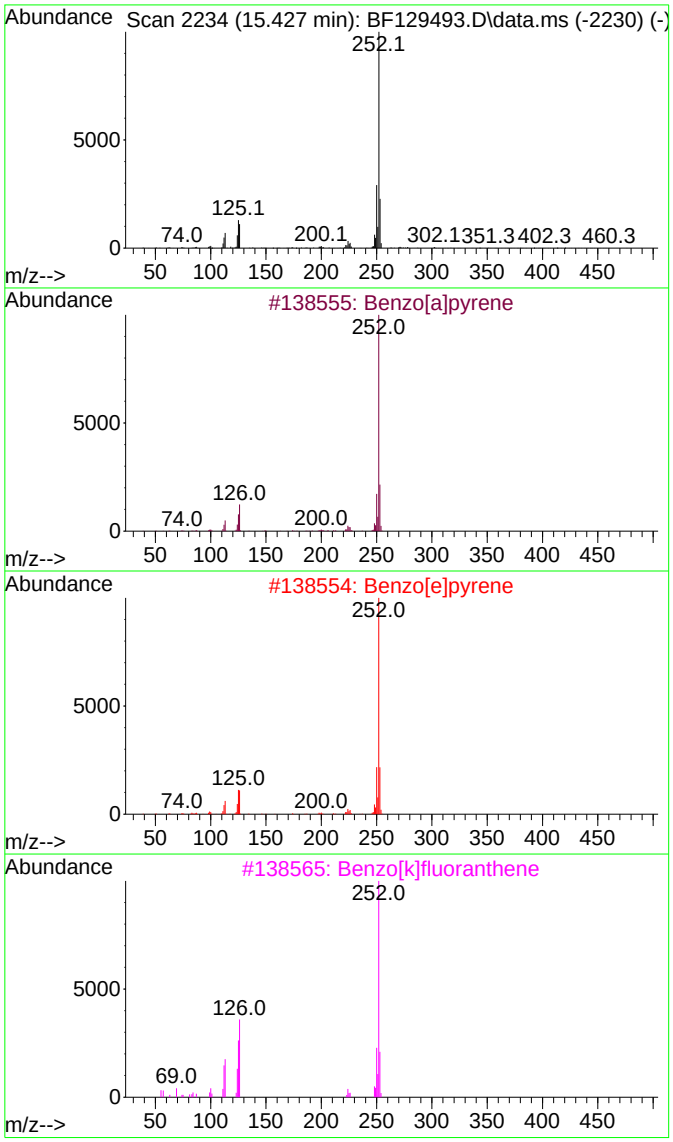
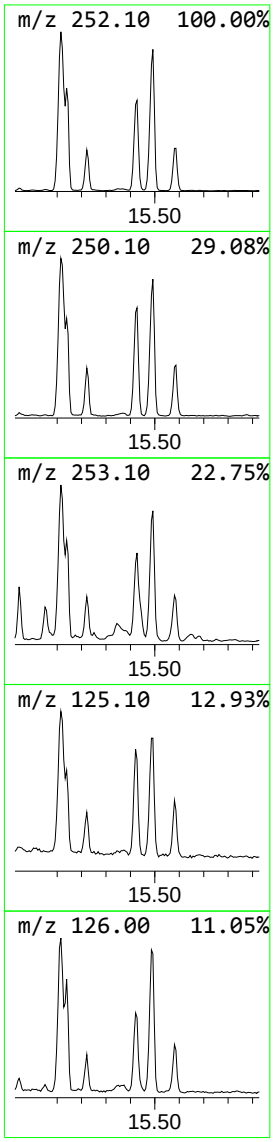
Peak Number 20 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.427	40.57 ng	1543560	Perylene-d12	15.551

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[a]pyrene	252	C20H12	000050-32-8	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
4	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
5	Perylene	252	C20H12	000198-55-0	91





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080122\
Data File : BF129493.D
Acq On : 02 Aug 2022 01:43
Operator : CG\JU
Sample : N3982-01
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-3-072922

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
Nonane, 3,7-dim...	9.169	8.9	ng	351523	3	9.916	792622	20.0
unknown9.304	9.304	8.5	ng	335717	3	9.916	792622	20.0
Naphthalene, 1,...	9.498	7.5	ng	299001	3	9.916	792622	20.0
Naphthalene, 2,...	9.569	8.0	ng	316924	3	9.916	792622	20.0
unknown9.616	9.616	17.9	ng	709495	3	9.916	792622	20.0
Naphthalene, 2,...	10.227	7.5	ng	298453	3	9.916	792622	20.0
Naphthalene, 1,...	10.322	8.3	ng	327698	3	9.916	792622	20.0
Dodecane, 2,6,1...	10.822	16.2	ng	739514	4	11.410	914197	20.0
2-Bromotetradecane	11.286	7.9	ng	359524	4	11.410	914197	20.0
Dibenzothiophene	11.304	7.5	ng	343513	4	11.410	914197	20.0
Phenanthrene, 2...	11.910	13.0	ng	592737	4	11.410	914197	20.0
Anthracene, 2-m...	11.939	17.7	ng	807956	4	11.410	914197	20.0
Anthracene, 1-m...	11.986	7.6	ng	347327	4	11.410	914197	20.0
4H-Cyclopenta[d...	12.022	31.2	ng	1427550	4	11.410	914197	20.0
Naphthalene, 2-...	12.204	10.0	ng	458102	4	11.410	914197	20.0
9,10-Anthracene...	12.233	7.7	ng	351311	4	11.410	914197	20.0
Phenanthrene, 2...	12.457	11.1	ng	508956	4	11.410	914197	20.0
Cyclopenta(def)...	12.551	13.3	ng	609211	4	11.410	914197	20.0
Benzo[e]pyrene	15.221	15.9	ng	606156	6	15.551	760905	20.0
Perylene	15.427	40.6	ng	1543560	6	15.551	760905	20.0