LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.122	3	6	30	rVB	1705698	2341223	49.58%	2.743%
2	5.451	568	572	600	rBV	3574060	4010514	84.93%	4.698%
3	6.463	739	744	747	rBV	3351059	3967910	84.03%	4.648%
4	6.592	762	766	774	rVB	3923888	4039820	85.55%	4.732%
5	6.816	801	804	816	rVB	925652	908041	19.23%	1.064%
6	6.975	827	831	848	rBV	3484788	3329400	70.51%	3.900%
7	7.357	892	896	898	rBV	919991	866273	18.34%	1.015%
8	7.386	898	901	904	rVB	2620599	2439261	51.66%	2.857%
9	8.098	1019	1022	1042	rVB	1190562	1299370	27.52%	1.522%
10	9.169	1200	1204	1216	rBV	4229359	4356154	92.25%	5.103%
11	9.569	1266	1272	1279	rVB	352820	391539	8.29%	0.459%
12	9.851	1316	1320	1323	rBV	1395499	1288165	27.28%	1.509%
13	9.880	1323	1325	1335	rVV	867021	770161	16.31%	0.902%
14	10.057	1350	1355	1360	rVV	346429	371399	7.86%	0.435%
15	10.398	1407	1413	1419	rBV	679175	652150	13.81%	0.764%
16	10.463	1419	1424	1426	rVV	109752	176625	3.74%	0.207%
17	10.486	1426	1428	1430	rVV2	156128	136288	2.89%	0.160%
18	10.557	1438	1440	1445	rVB	146416	147174	3.12%	0.172%
19	10.639	1451	1454	1461	rBV	2486010	2858404	60.53%	3.348%
20	10.951	1500	1507	1509	rBV	160778	214758	4.55%	0.252%
21	10.980	1509	1512	1514	rVV2	134278	138355	2.93%	0.162%
22	11.027	1518	1520	1523	rVB2	119445	110337	2.34%	0.129%
23	11.098	1530	1532	1538	rVV	102714	101052	2.14%	0.118%
24	11.157	1538	1542	1545	rVV4	89927	105556	2.24%	0.124%
25	11.192	1545	1548	1551	rVV	193485	194427	4.12%	0.228%
26	11.233	1552	1555	1561	rVB	313660	313100	6.63%	0.367%
27	11.339	1569	1573	1574	rBV	1351609	1195612	25.32%	1.401%
28	11.363	1574	1577	1581	rVV	3955348	4115143	87.14%	4.821%
29	11.416	1581	1586	1590	rVV	1560277	1562880	33.10%	1.831%
30	11.457	1590	1593	1598	rVV2	174195	246936	5.23%	0.289%
31	11.574	1609	1613	1618	rBV	540607	662134	14.02%	0.776%
32	11.621	1618	1621	1624	rVB2	124434	144495	3.06%	0.169%
33	11.668	1624	1629	1631	rBV4	89089	144404	3.06%	0.169%
34	11.839	1655	1658	1660	rBV	653071	526843	11.16%	0.617%

LSC Area Percent Report

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Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.868	1660	1663	1668	rVV	865680	919799	19.48%	1.077%
36	11.915	1668	1671	1674	rVV	335939	291788	6.18%	0.342%
37	11.951	1674	1677	1679	rVV	1059096	1025336	21.71%	1.201%
38	11.974	1679	1681	1687	rVB	413666	380377	8.06%	0.446%
39	12.021	1687	1689	1693	rBV4	100299	117359	2.49%	0.137%
40	12.133	1705	1708	1713	rBV	405416	392458	8.31%	0.460%
41	12.174	1713	1715	1718	rBV2	196665	187591	3.97%	0.220%
42	12.280	1729	1733	1737	rBV	160847	166820	3.53%	0.195%
43	12.386	1748	1751	1754	rBV	359454	365159	7.73%	0.428%
44	12.415	1754	1756	1757	rVV2	116721	110633	2.34%	0.130%
45	12.492	1764	1769	1775	rVB2	181664	341787	7.24%	0.400%
46	12.557	1775	1780	1783	rBV	4353234	4494133	95.17%	5.265%
47	12.621	1788	1791	1793	rBV2	96863	118716	2.51%	0.139%
48	12.704	1802	1805	1808	rBV	276520	253111	5.36%	0.297%
49	12.786	1812	1819	1822	rVV2	3711451	4722203	100.00%	5.532%
50	12.833	1824	1827	1831	rVB2	276901	278204	5.89%	0.326%
51	12.915	1834	1841	1844	rBV	3824520	3896171	82.51%	4.564%
52	12.951	1844	1847	1851	rVB	255215	284352	6.02%	0.333%
53	12.998	1851	1855	1856	rBV	234922	309064	6.54%	0.362%
54	13.086	1866	1870	1871	rBV2	193508	185674	3.93%	0.218%
55	13.110	1871	1874	1877	rVB	652260	582290	12.33%	0.682%
56	13.174	1882	1885	1888	rVB	552661	452171	9.58%	0.530%
57	13.215	1888	1892	1899	rBV3	379452	592754	12.55%	0.694%
58	13.309	1905	1908	1911	rBV	198827	190387	4.03%	0.223%
59	13.339	1911	1913	1917	rBV	204083	185210	3.92%	0.217%
60	13.533	1944	1946	1949	rVV	127213	144751	3.07%	0.170%
61	13.592	1953	1956	1959	rVV	91288	102788	2.18%	0.120%
62	13.627	1959	1962	1965	rVV	215124	241166	5.11%	0.283%
63	13.733	1975	1980	1981	rBV	331169	346727	7.34%	0.406%
64	13.751	1981	1983	1986	rVV	372317	342000	7.24%	0.401%
65	13.780	1986	1988	1990	rVV	251411	265930	5.63%	0.312%
66	13.804	1990	1992	1996	rVV3	303481	417670	8.84%	0.489%
67	13.839	1996	1998	2003	rVB	299486	309061	6.54%	0.362%
68	13.898	2003	2008	2013	rBV	104008	170125	3.60%	0.199%
69	13.968	2014	2020	2024	rVV2	2184258	3337931	70.69%	3.910%
70	14.004	2024	2026	2030	rVV	1848075	1671128	35.39%	1.958%
71	14.086	2037	2040	2043	rVV	468780	407112	8.62%	0.477%

LSC Area Percent Report

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Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

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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Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.145	2047	2050	2052	rVV3	90394	114067	2.42%	0.134%
73	14.180	2053	2056	2058	rVV2	166835	168386	3.57%	0.197%
74	14.209	2058	2061	2065	rVB2	192481	259909	5.50%	0.304%
75	14.368	2083	2088	2091	rVV	301890	322470	6.83%	0.378%
76	14.492	2107	2109	2111	rVV2	144923	150383	3.18%	0.176%
77	14.515	2111	2113	2116	rVB2	180252	153755	3.26%	0.180%
78	14.698	2140	2144	2146	rBV2	151542	196389	4.16%	0.230%
79	14.721	2146	2148	2151	rVB2	189466	172439	3.65%	0.202%
80	14.798	2157	2161	2164	rVB2	218367	241579	5.12%	0.283%
81	14.868	2169	2173	2177	rBV2	152833	211718	4.48%	0.248%
82	15.015	2194	2198	2201	rVV	1419897	2006814	42.50%	2.351%
83	15.045	2201	2203	2209	rVV2	822373	933832	19.78%	1.094%
84	15.127	2214	2217	2223	rBV	260599	283408	6.00%	0.332%
85	15.256	2236	2239	2244	rVV2	93290	185065	3.92%	0.217%
86	15.315	2245	2249	2256	rVV	750129	991393	20.99%	1.161%
87	15.380	2256	2260	2264	rVV	1159076	1479726	31.34%	1.733%
88	15.439	2267	2270	2273	rVV	610711	764708	16.19%	0.896%
89	15.468	2273	2275	2285	rVB2	281526	461995	9.78%	0.541%
90	15.615	2295	2300	2304	rBV	75118	134256	2.84%	0.157%
91	15.668	2304	2309	2316	rVB2	97853	206498	4.37%	0.242%
92	15.833	2333	2337	2341	rVB	98774	132296	2.80%	0.155%
93	16.003	2362	2366	2372	rVB2	68958	105339	2.23%	0.123%
94	16.327	2416	2421	2429	rVB6	87122	198062	4.19%	0.232%
95	16.703	2480	2485	2489	rBV2	70063	115090	2.44%	0.135%
96	16.898	2512	2518	2528	rBV	531097	1097927	23.25%	1.286%
97	17.068	2541	2547	2553	rBV	142447	289201	6.12%	0.339%
98	17.127	2553	2557	2565	rVB3	76106	158229	3.35%	0.185%
99	17.339	2588	2593	2608	rVB	379967	822869	17.43%	0.964%
100	17.597	2632	2637	2653	rVB	103145	282461	5.98%	0.331%

Sum of corrected areas: 85366103

LSC Report - Integrated Chromatogram

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
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Acq On : 16 Aug 2019 22:50
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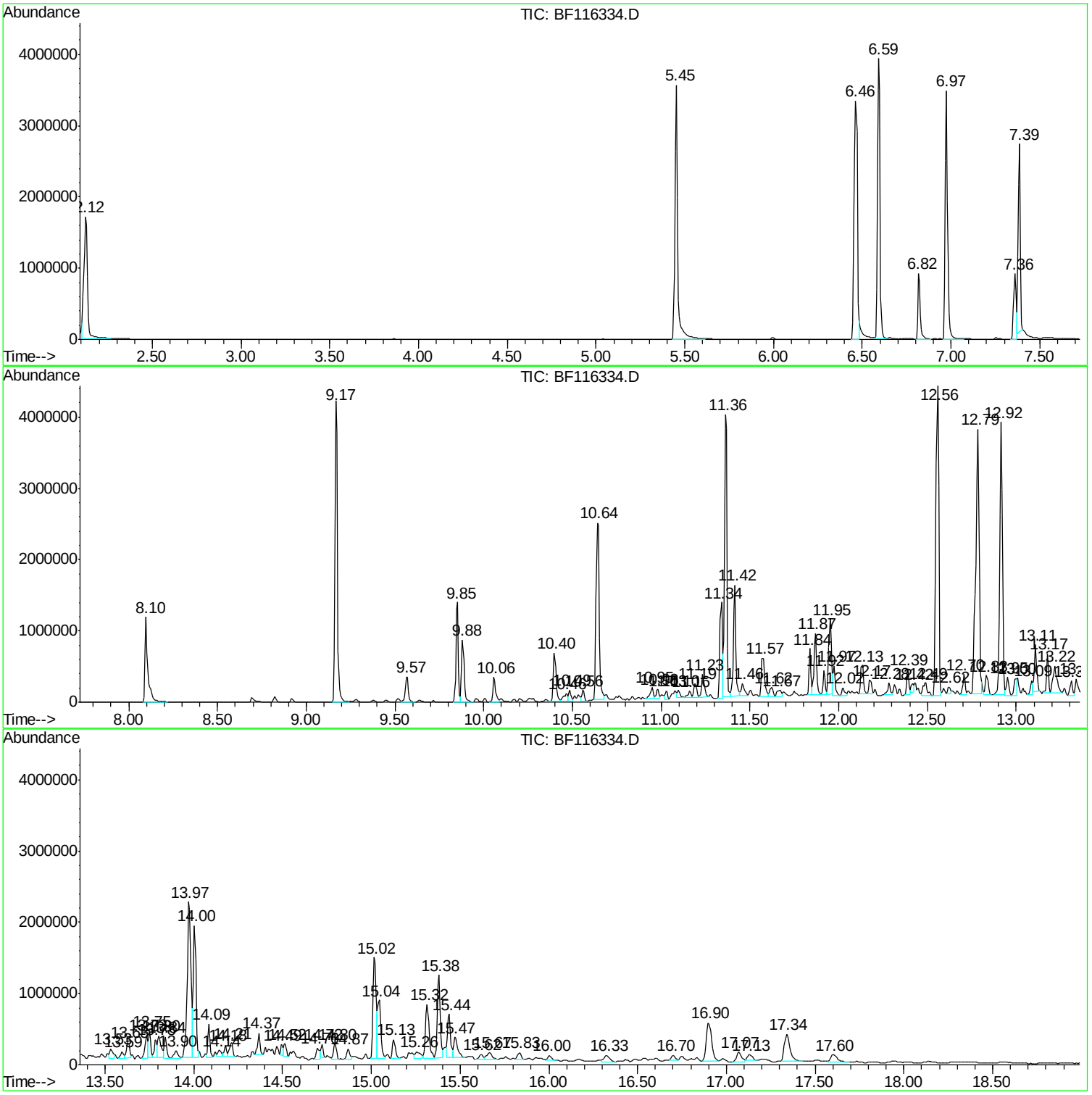
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116334.D
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Misc :
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Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

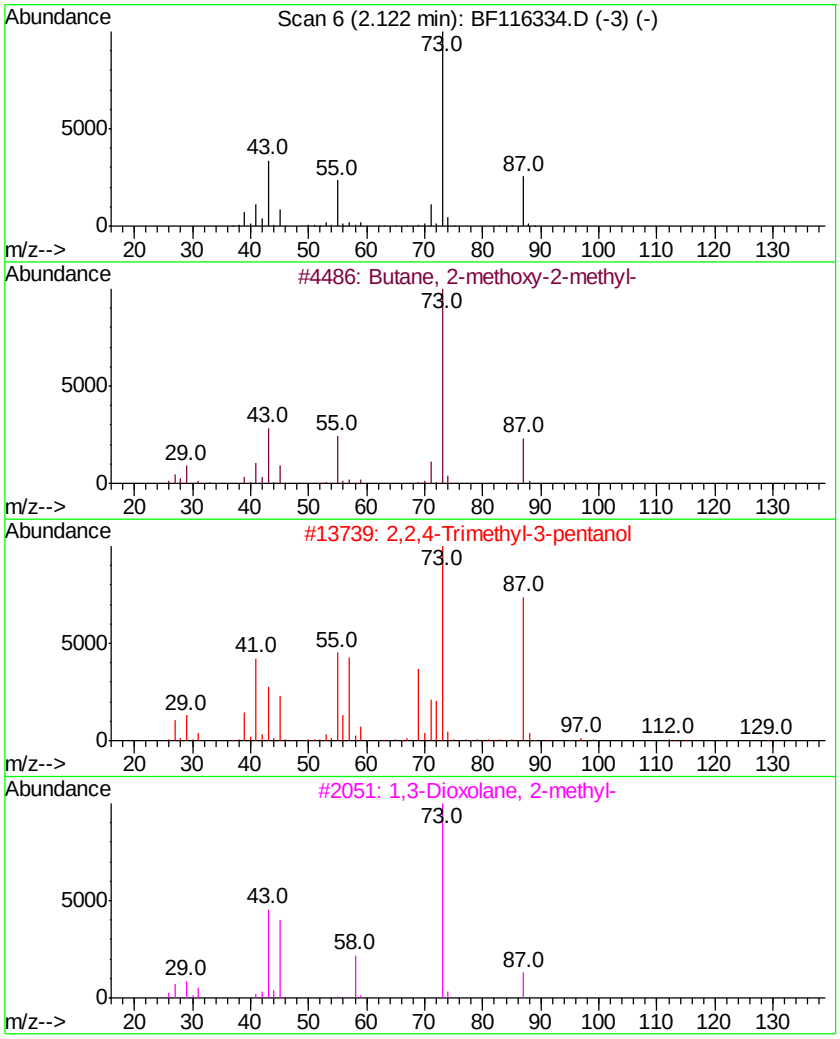
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

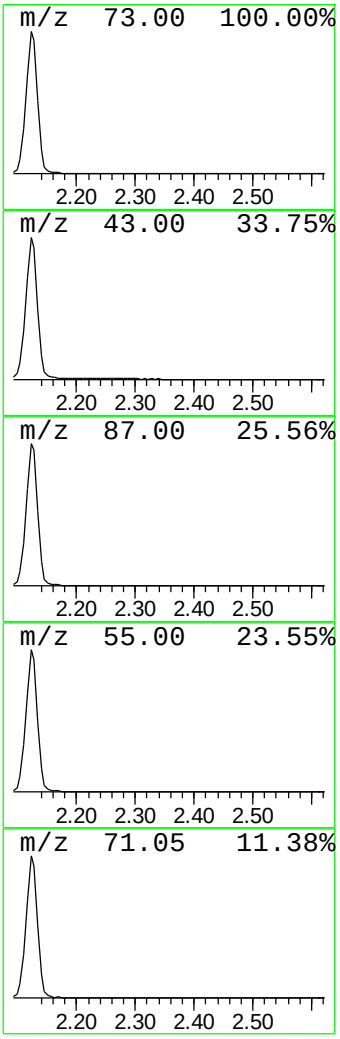
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.12	51.57 ng	2341220	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
3	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	17
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	12





Library Search Compound Report

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Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

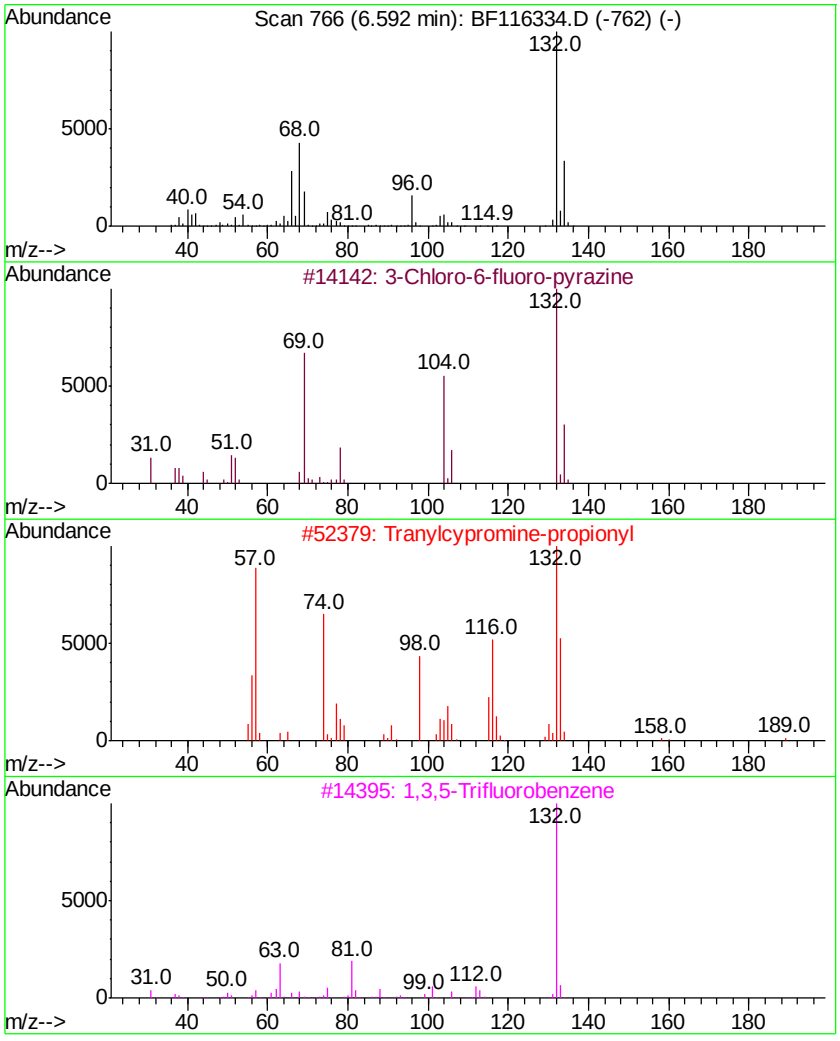
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

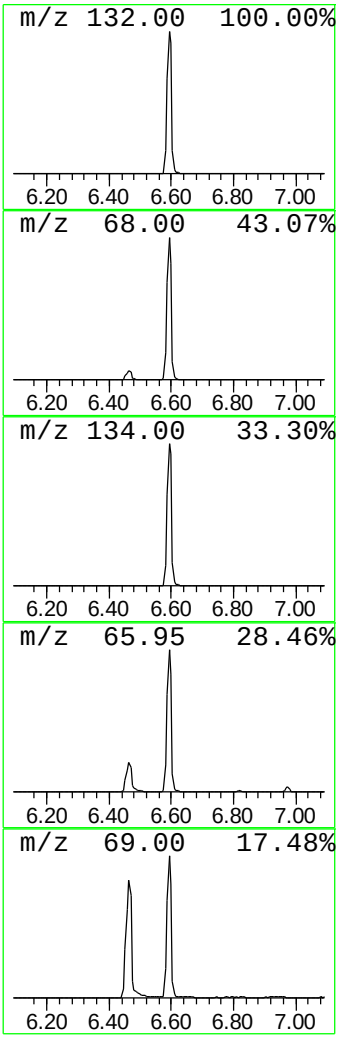
****

Peak Number 2 unknown6.59 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.59	88.98 ng	4039820	1,4-Dichlorobenzene-d4	6.82

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
3	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9
4	Xenon	132	Xe	007440-63-3	9
5	4-Chloro-2-fluoro-pyrimidine	132	C4H2ClFN2	051422-00-5	9





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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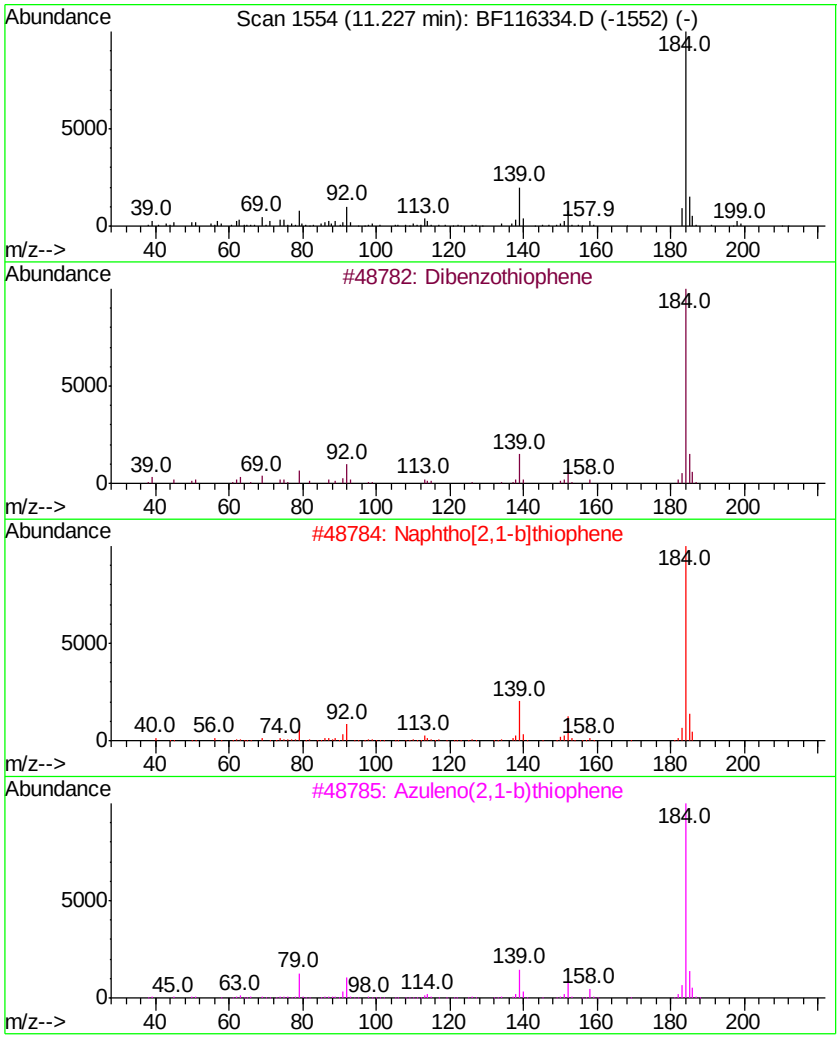
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

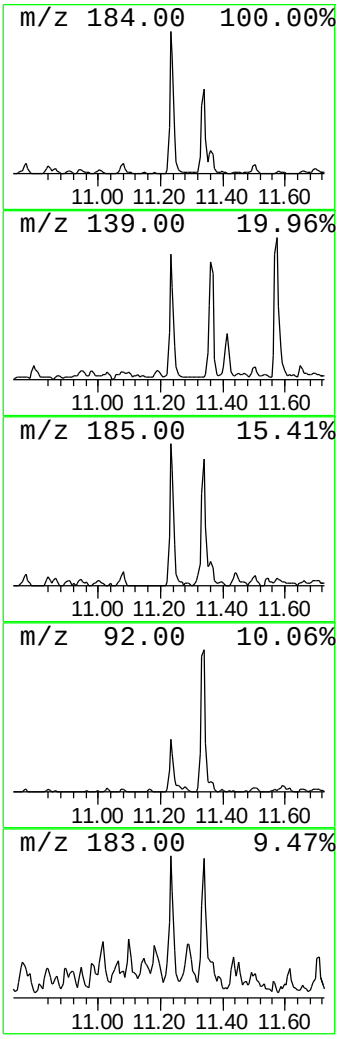
****

Peak Number 4 Dibenzothiophene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.23	5.24 ng	313100	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	96
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	90
5	Dibenzothiophene, 5-oxide	200	C12H8OS	001013-23-6	72





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Instrument : BNA_F
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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

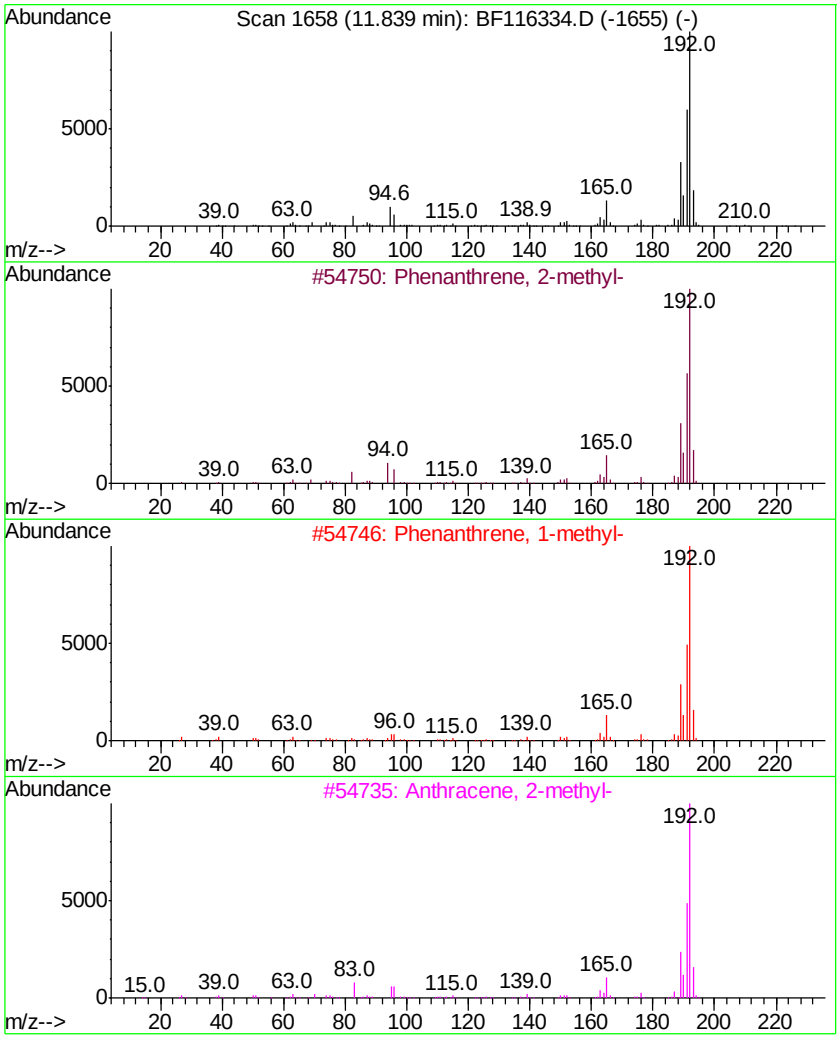
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

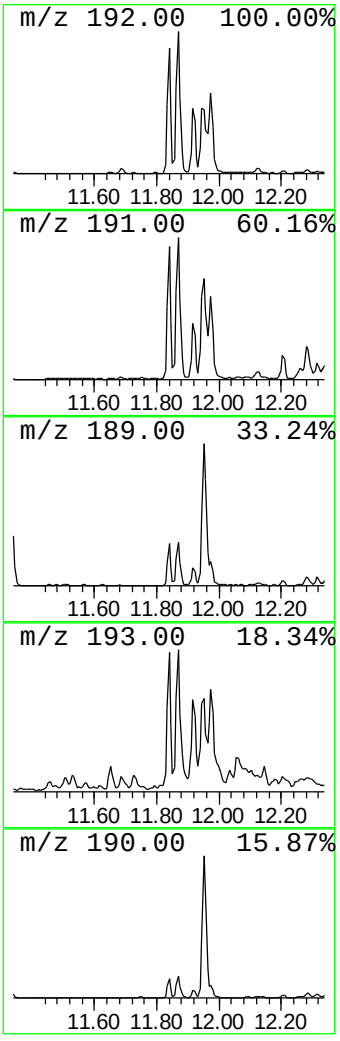
****

Peak Number 5 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.84	8.81 ng	526843	Phenanthrene-d10	11.34

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95





Library Search Compound Report

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Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

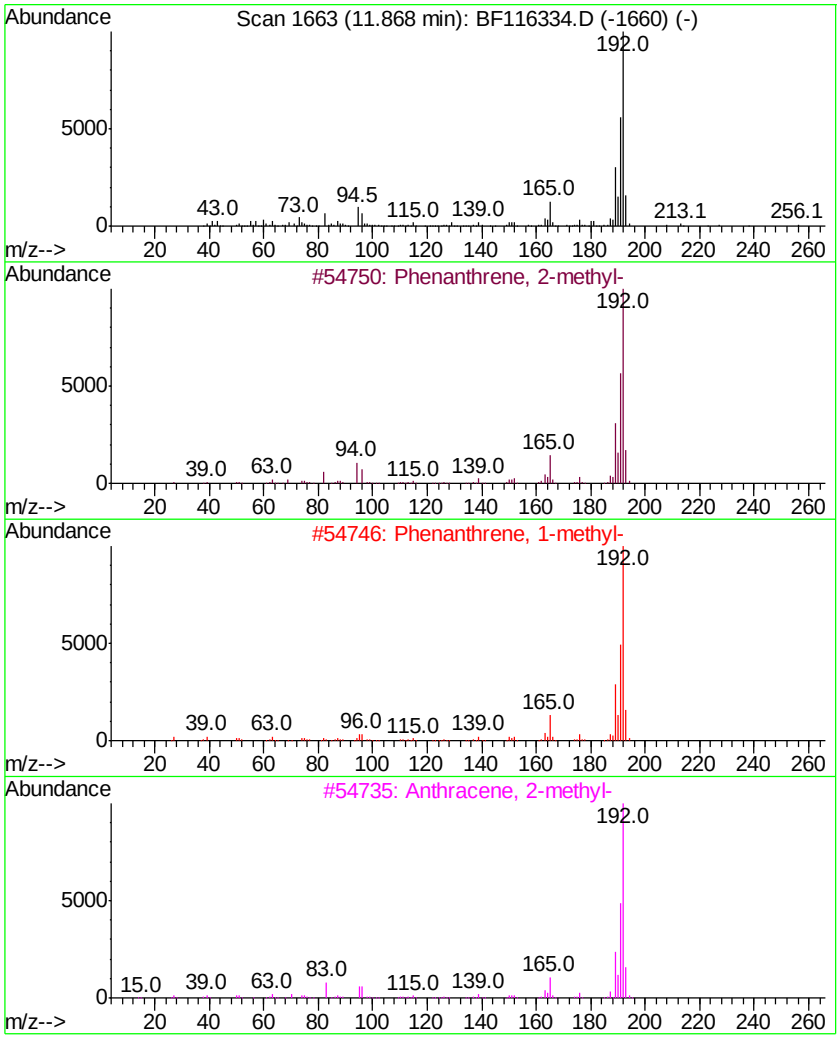
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

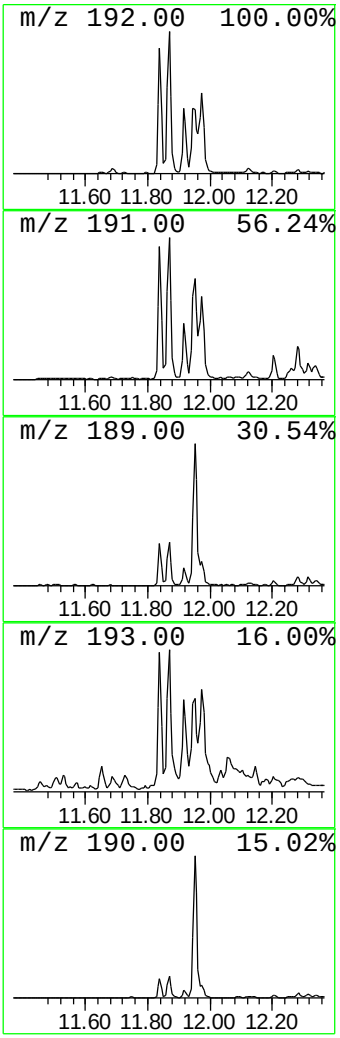
****

Peak Number 6 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.87	15.39 ng	919799	Phenanthrene-d10	11.34

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	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94





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Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
REACTOR-4-A1-A4-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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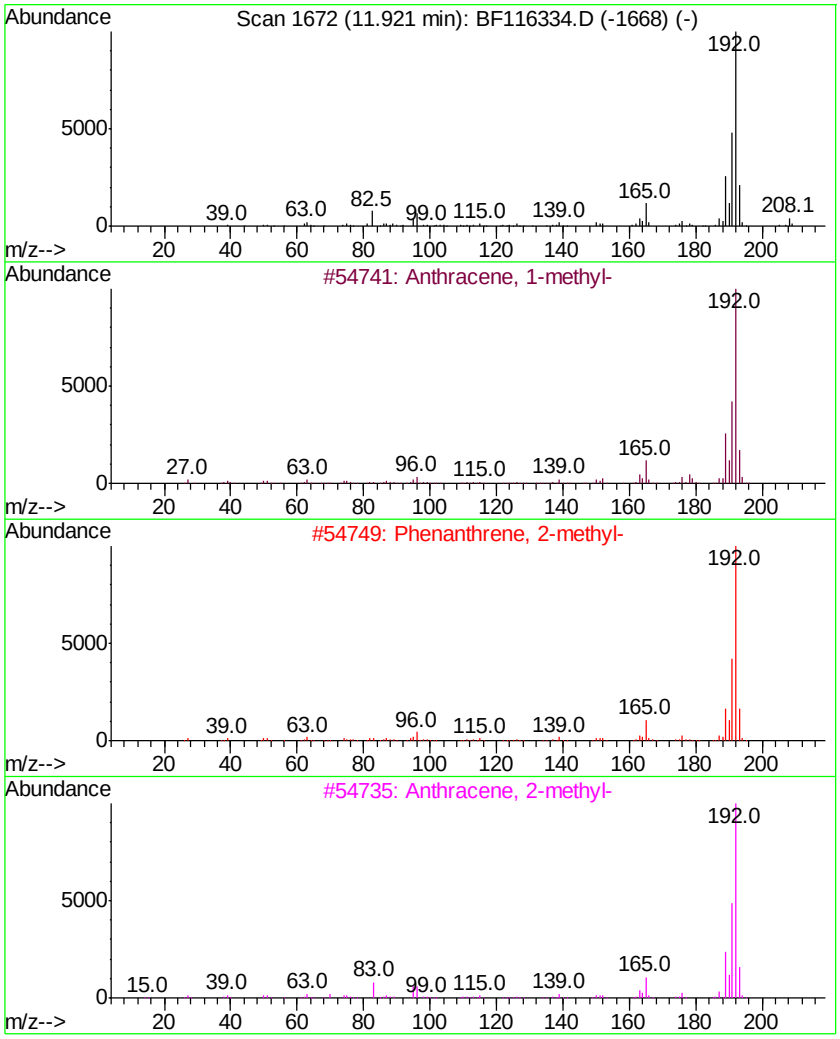
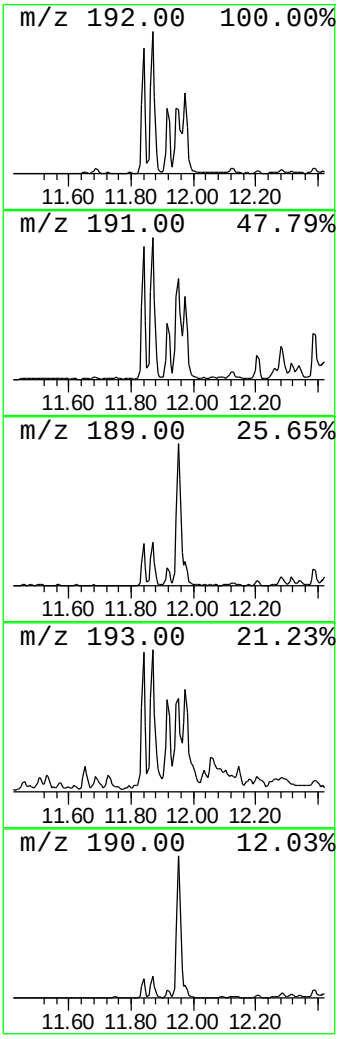
Peak Number 7 Anthracene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.92	4.88 ng	291788	Phenanthrene-d10	11.34

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





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Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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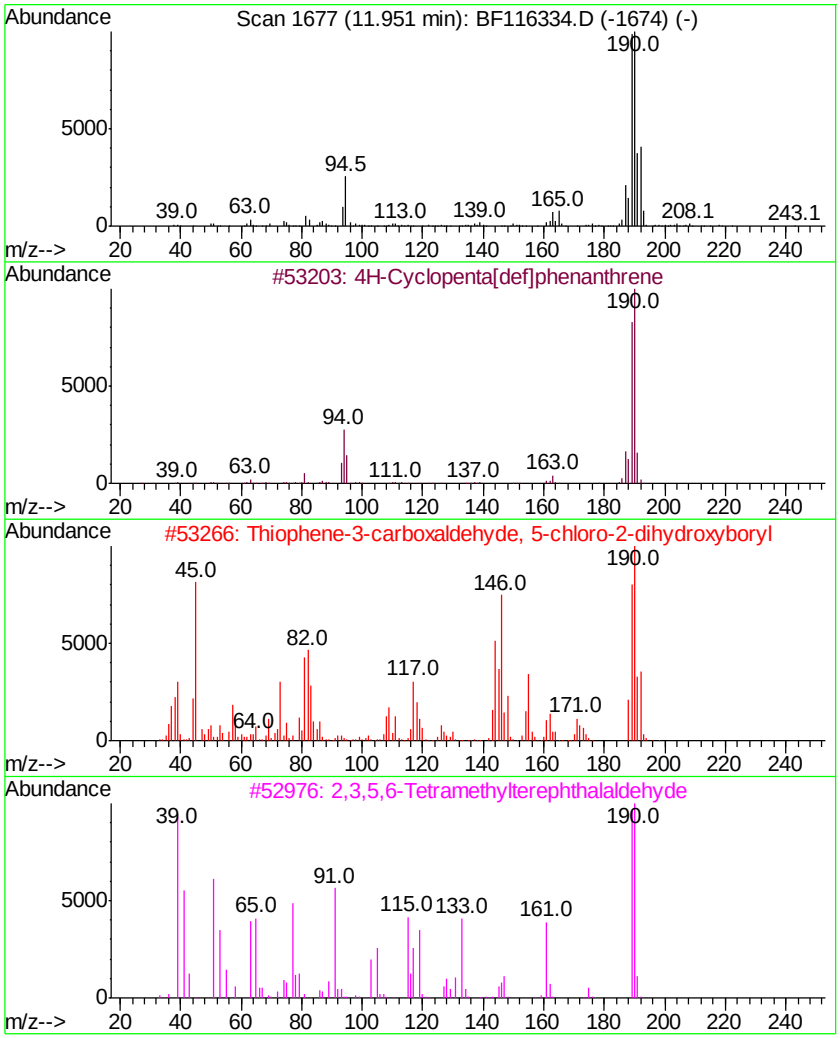
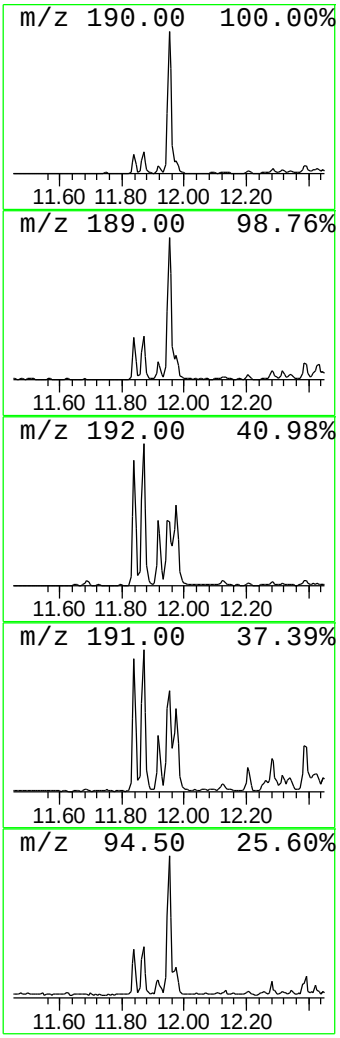
Peak Number 8 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	17.15 ng	1025340	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	95
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	47
4	Methyl diselenide	190	C2H6Se2	007101-31-7	46
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42





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Instrument :
BNA_F
ClientSampleId :
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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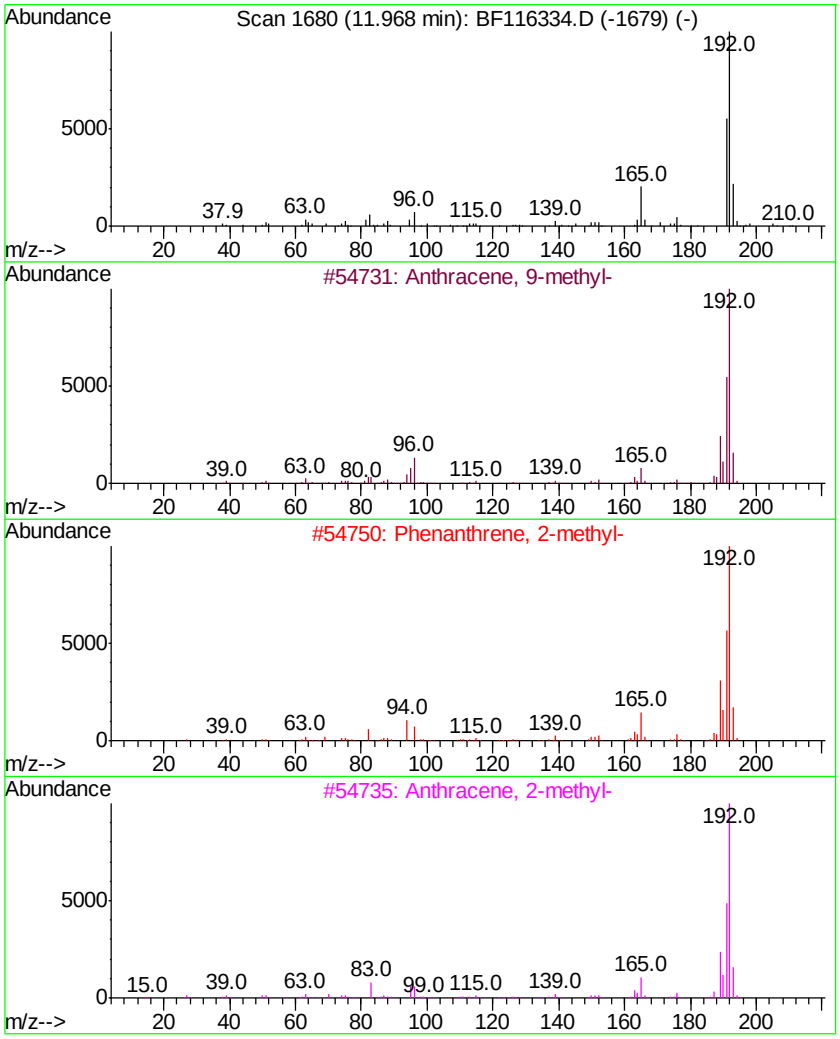
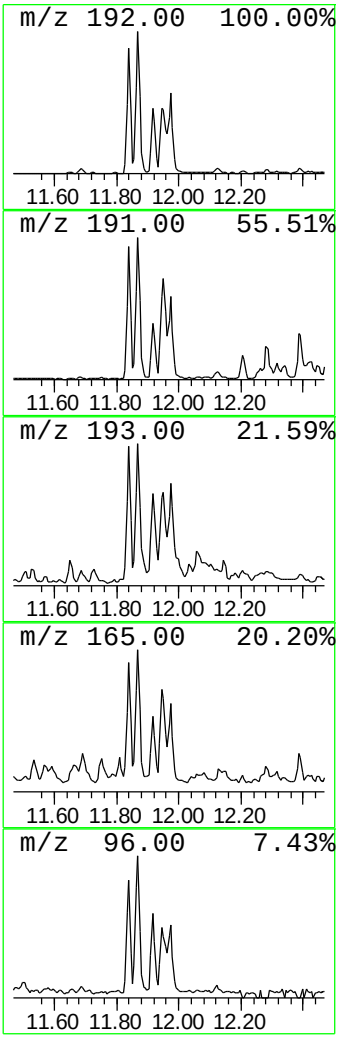
Peak Number 9 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.97	6.36 ng	380377	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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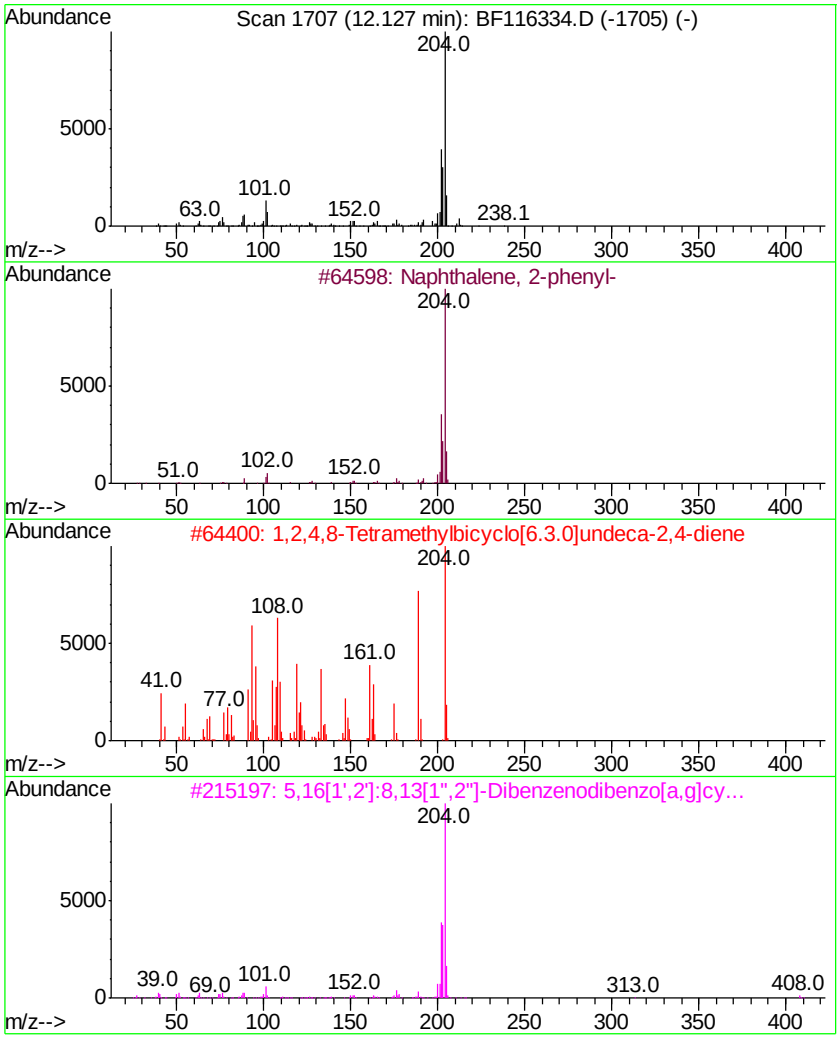
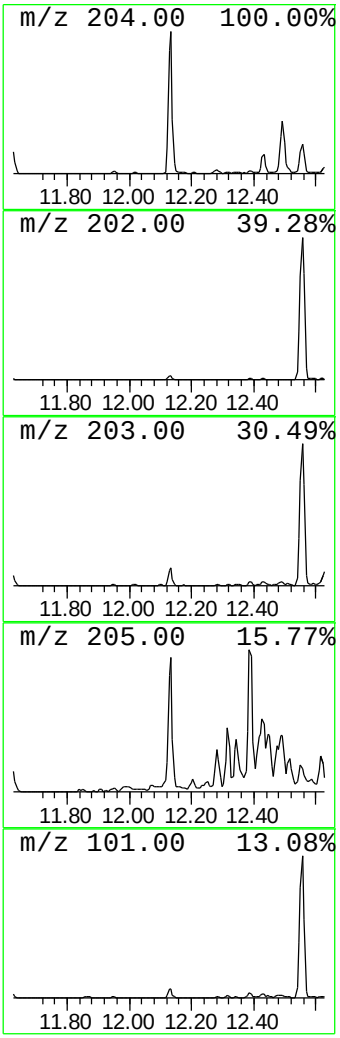
Peak Number 10 Naphthalene, 2-phenyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.13	6.56 ng	392458	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	92
2	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	83
3	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55





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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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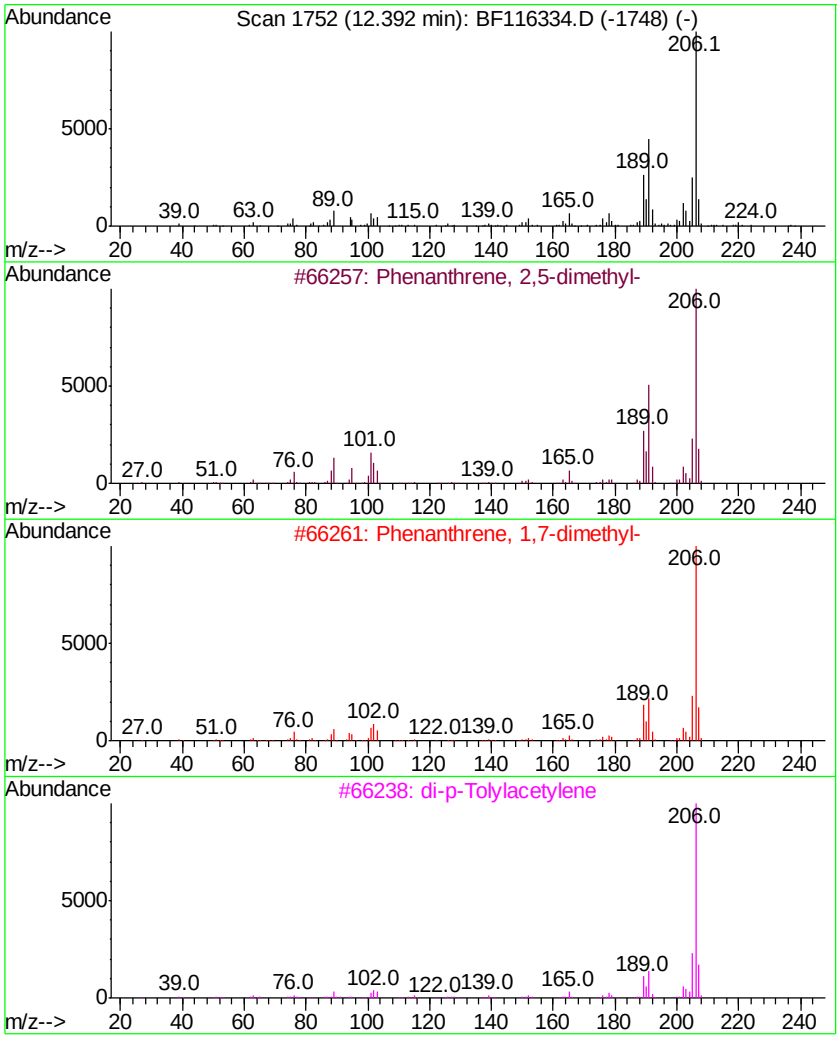
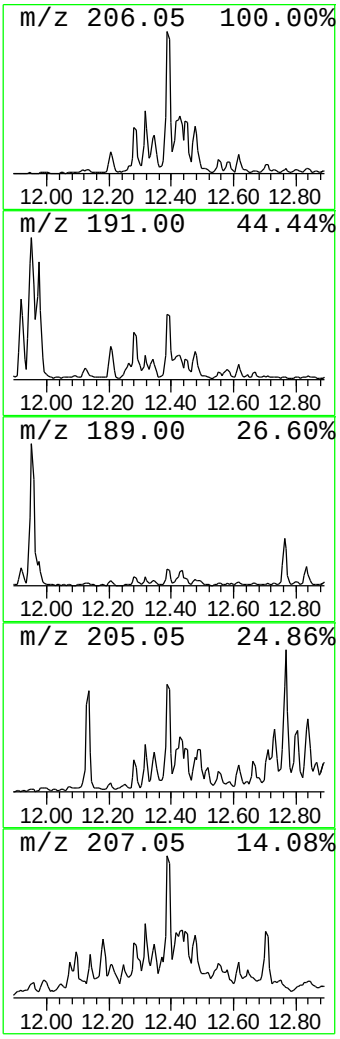
Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.39	6.11 ng	365159	Phenanthrene-d10	11.34

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	93
5	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	91





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TIC Library : C:\DATABASE\NIST11.L
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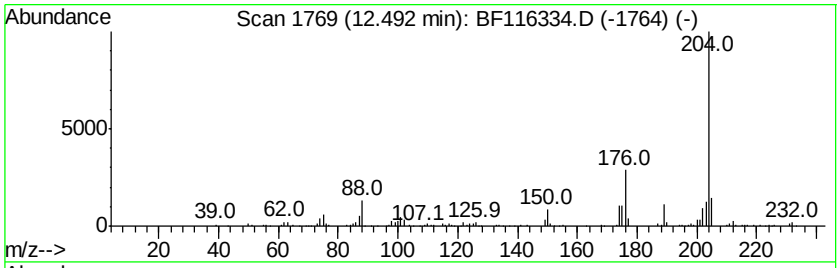
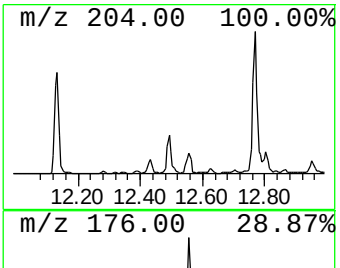
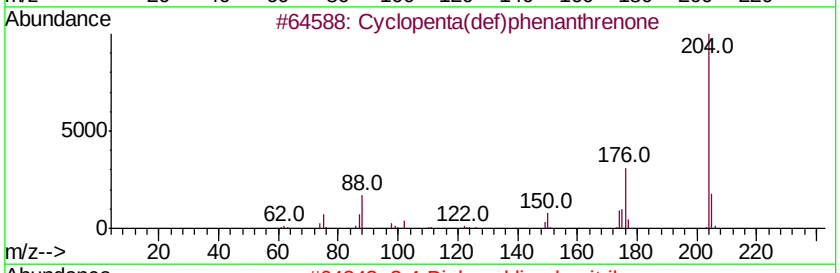
Peak Number 12 Cyclopenta(def)phenanthrenone Concentration Rank 15

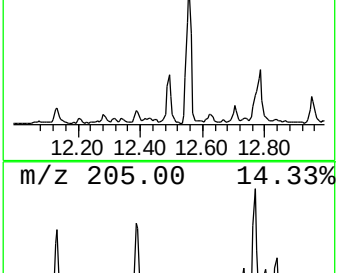
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.49	5.72 ng	341787	Phenanthrene-d10	11.34

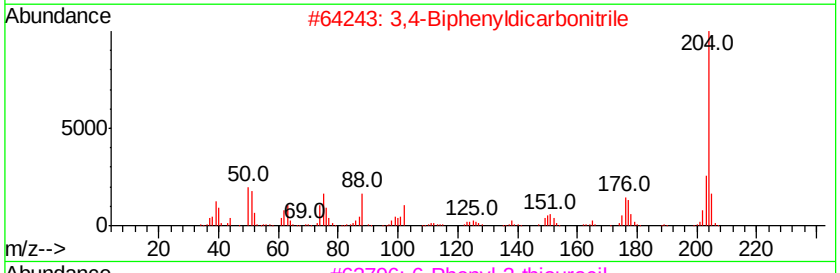
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	95
2	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	59
3	6-Phenyl-2-thiouracil	204	C10H8N2OS	005590-94-3	53
4	Dihydropyranno(3,2-H)homochroman	204	C13H16O2	057052-82-1	52
5	4-Quinolinol, 5,8-dimethoxy-2-me...	219	C12H13NO3	1000337-90-3	50

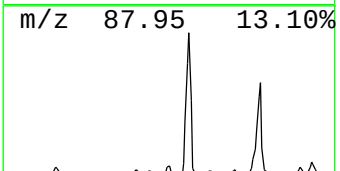


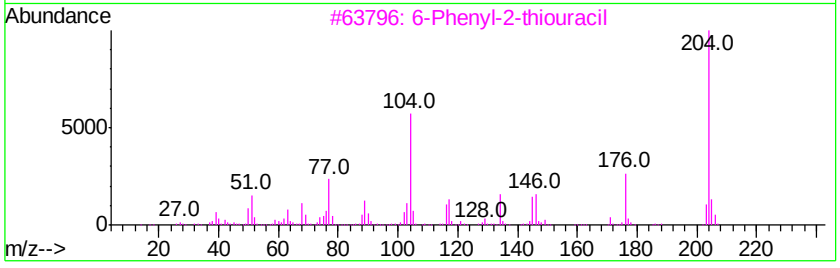


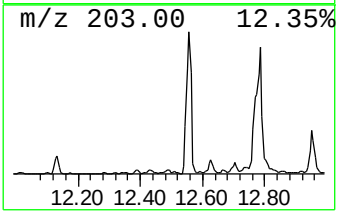












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Misc :
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Instrument : BNA_F
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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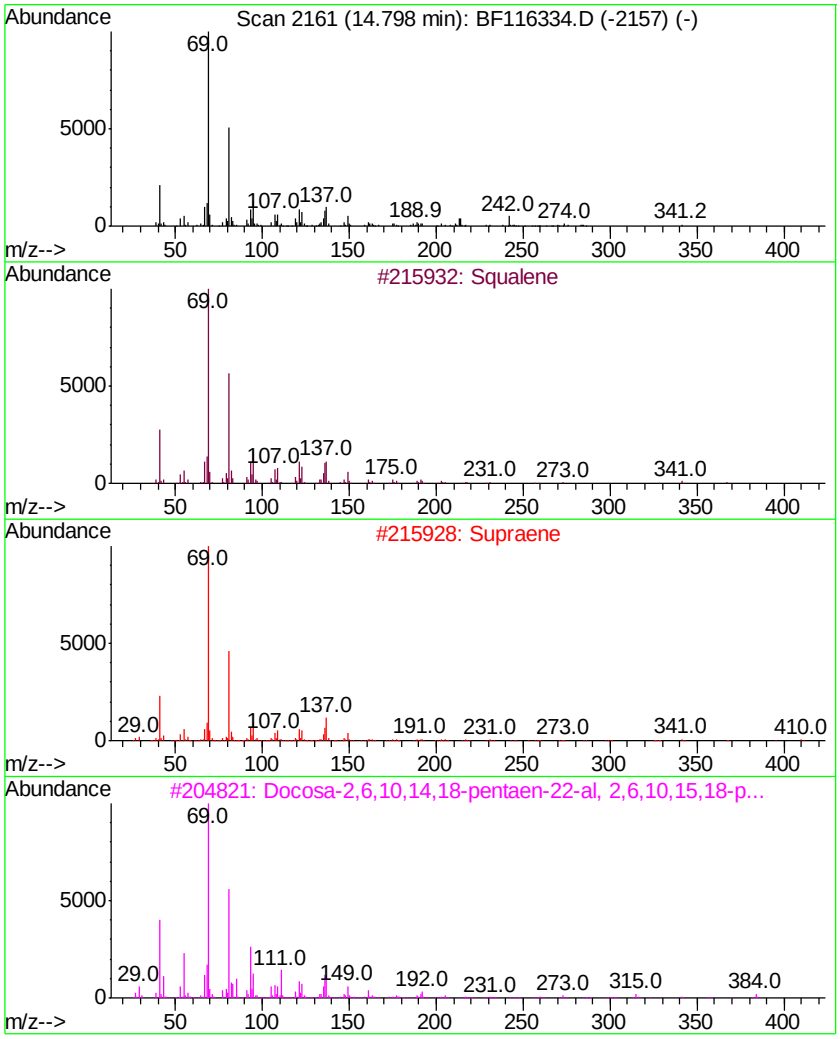
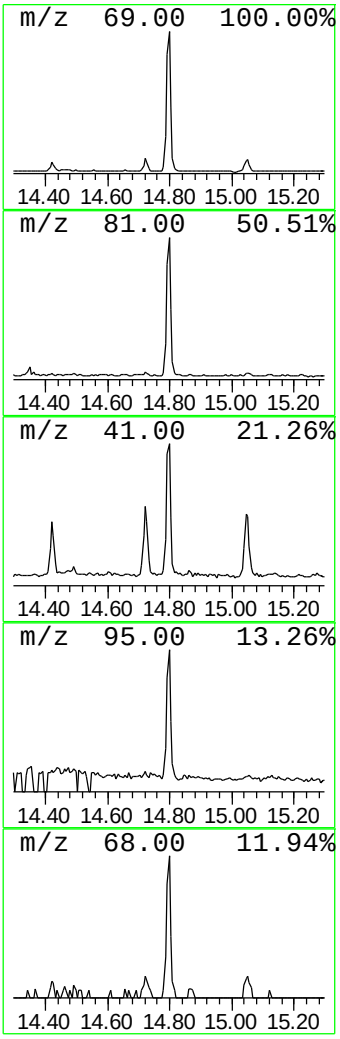
Peak Number 13 Squalene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.80	6.32 ng	241579	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Squalene	410	C30H50	000111-02-4	93
2	Supraene	410	C30H50	007683-64-9	87
3	Docosa-2,6,10,14,18-pentaen-22-a...	384	C27H44O	1000163-04-7	80
4	1-(Phenylthio)-3,7,11-trimethyl-...	314	C21H30S	028413-57-2	64
5	7,11-Dimethyldodeca-2,6,10-trien...	208	C14H24O	125529-10-4	64





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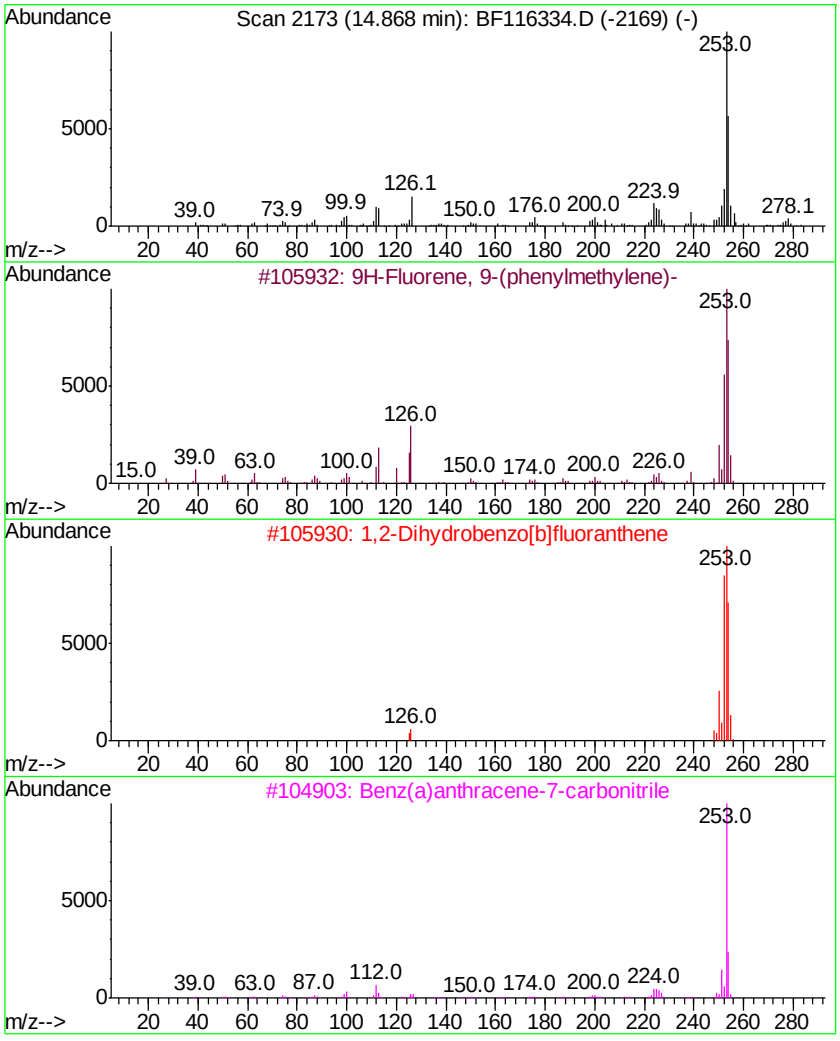
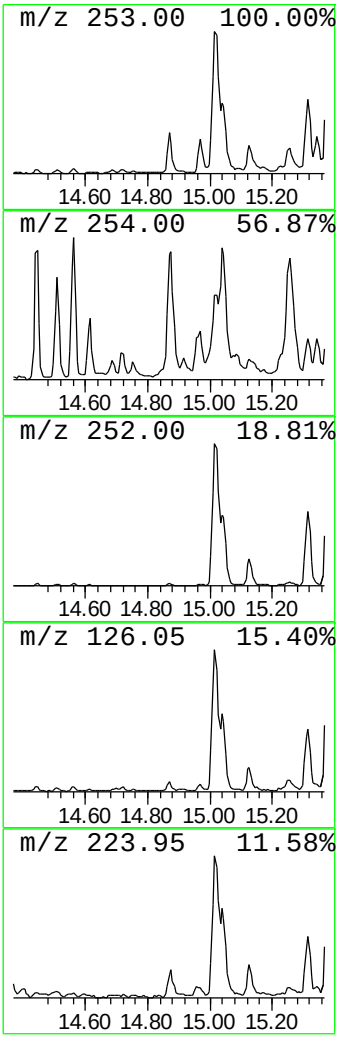
Peak Number 14 9H-Fluorene, 9-(phenylmethy... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.87	5.54 ng	211718	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	81
2	1,2-Dihydrobenzo[b]fluoranthene	254	C20H14	100516-13-0	64
3	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
4	2H-Pyrazolo[3',4':5,6]pyrimido[2...	254	C13H10N4O2	1000318-77-9	53
5	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	49





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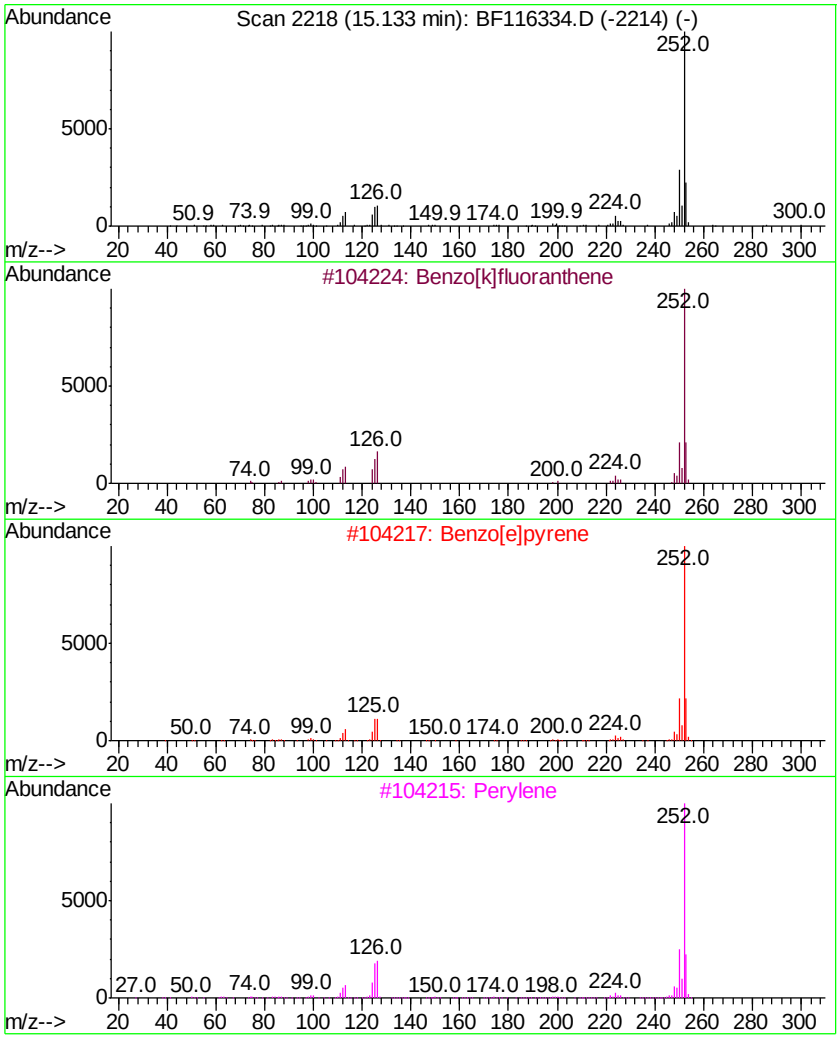
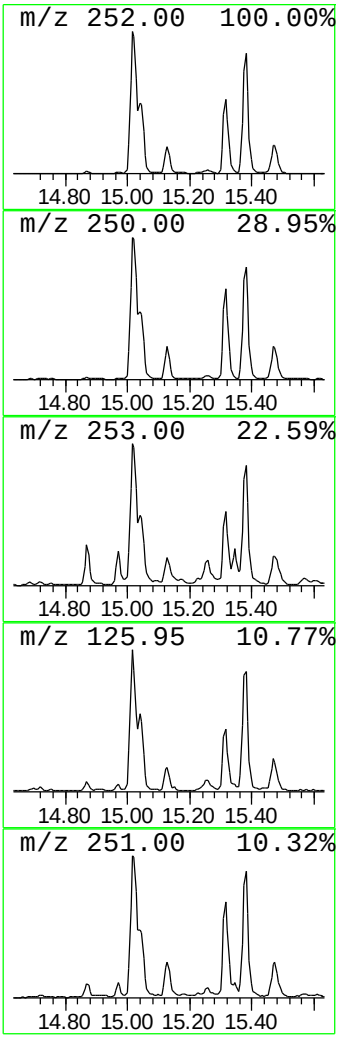
Peak Number 15 Benzo[e]pyrene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.13	7.41 ng	283408	Perylene-d12	15.44

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





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TIC Library : C:\DATABASE\NIST11.L
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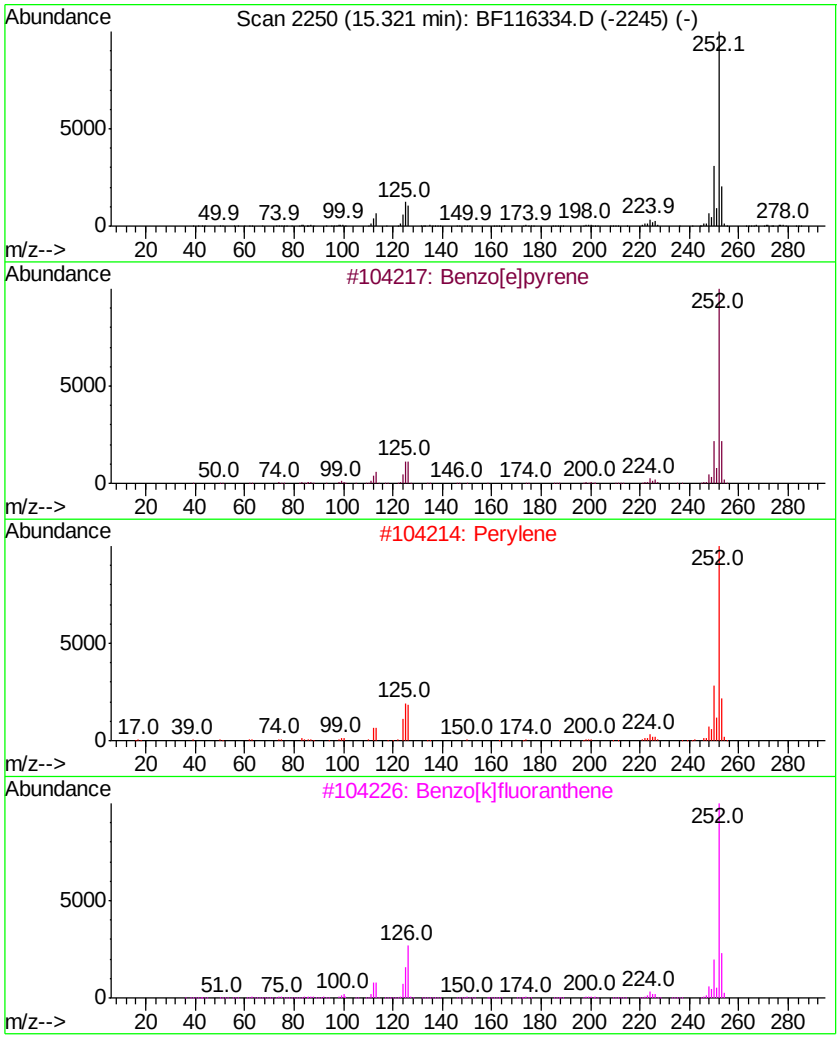
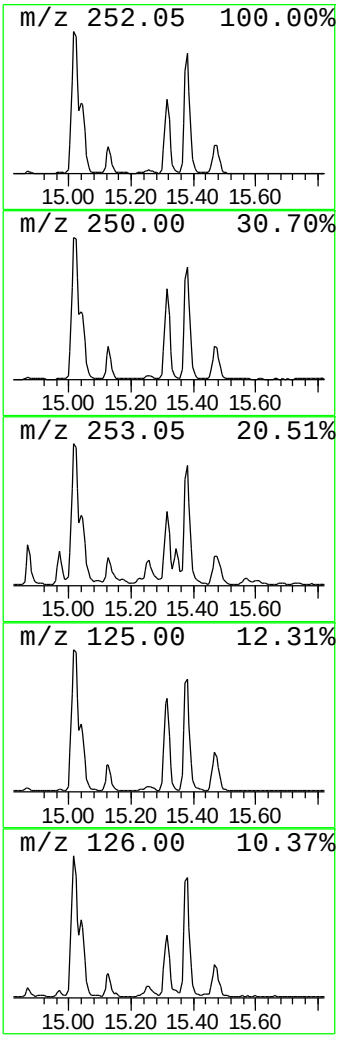
Peak Number 16 Perylene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.32	25.93 ng	991393	Perylene-d12	15.44

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





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Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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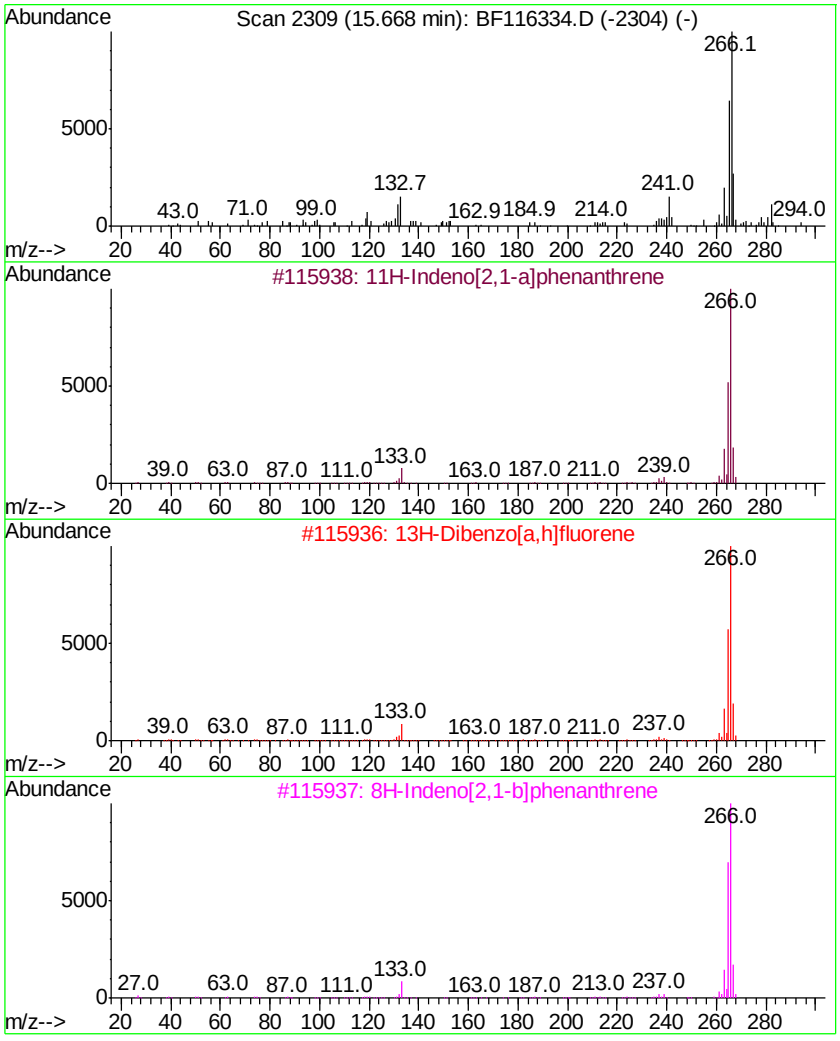
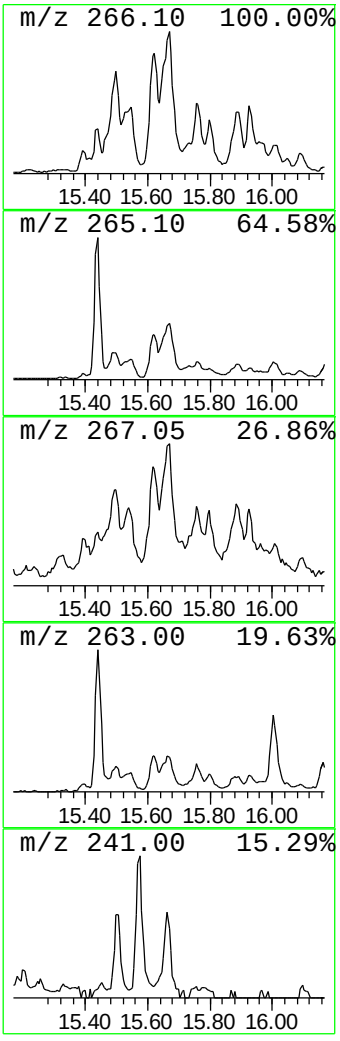
Peak Number 17 11H-Indeno[2,1-a]phenanthrene Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.67	5.40 ng	206498	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Indeno[2,1-a]phenanthrene	266	C21H14	000220-97-3	81
2	13H-Dibenzo[a,h]fluorene	266	C21H14	000239-85-0	81
3	8H-Indeno[2,1-b]phenanthrene	266	C21H14	000241-28-1	68
4	4H-1-Benzopyran-4-one, 3-hydroxy...	266	C17H14O3	078396-37-9	58
5	Thiazole, 4-phenyl-2-(4-tolylami...	266	C16H14N2S	016098-04-7	53





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Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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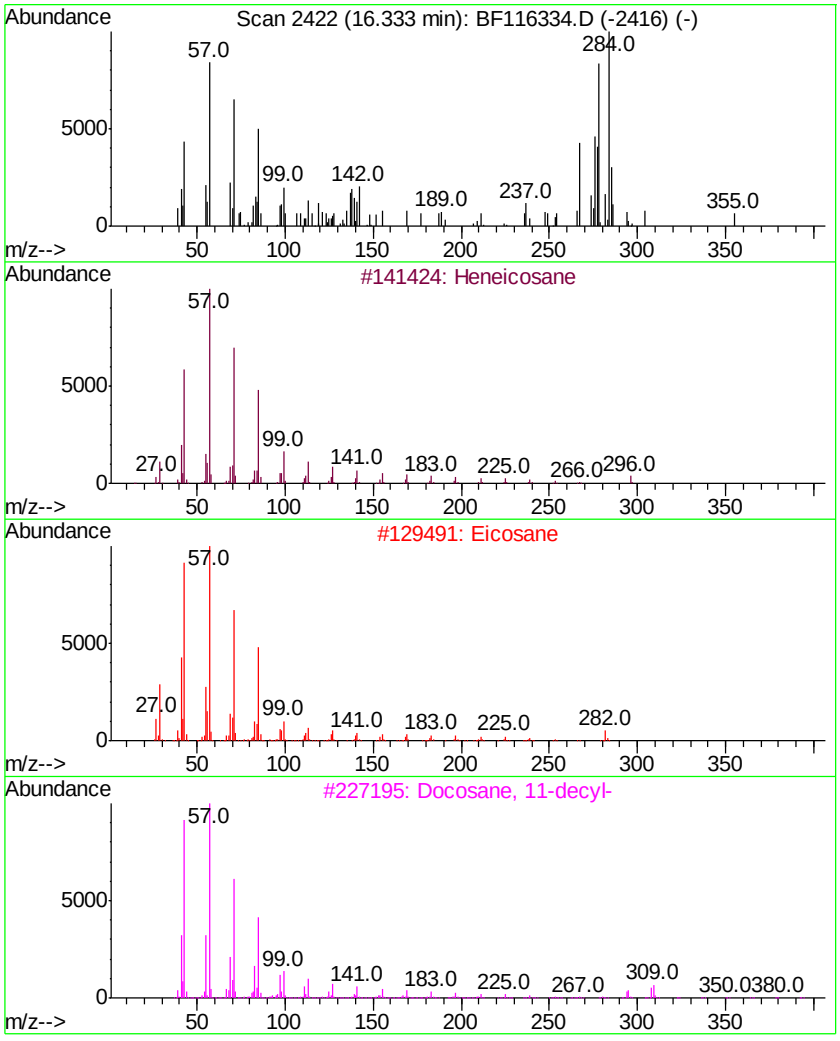
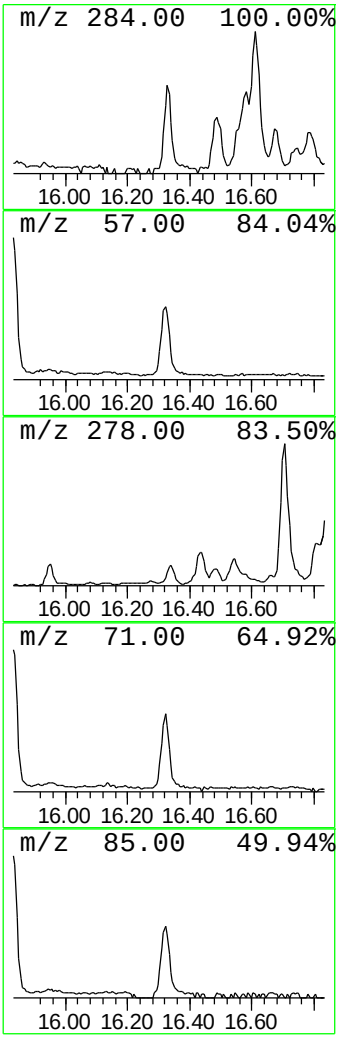
Peak Number 18 Heneicosane Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.33	5.18 ng	198062	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	80
2	Eicosane	282	C20H42	000112-95-8	60
3	Docosane, 11-decyl-	451	C32H66	055401-55-3	38
4	Tetracosane	338	C24H50	000646-31-1	38
5	Phytol	296	C20H40O	000150-86-7	35





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF081619\
Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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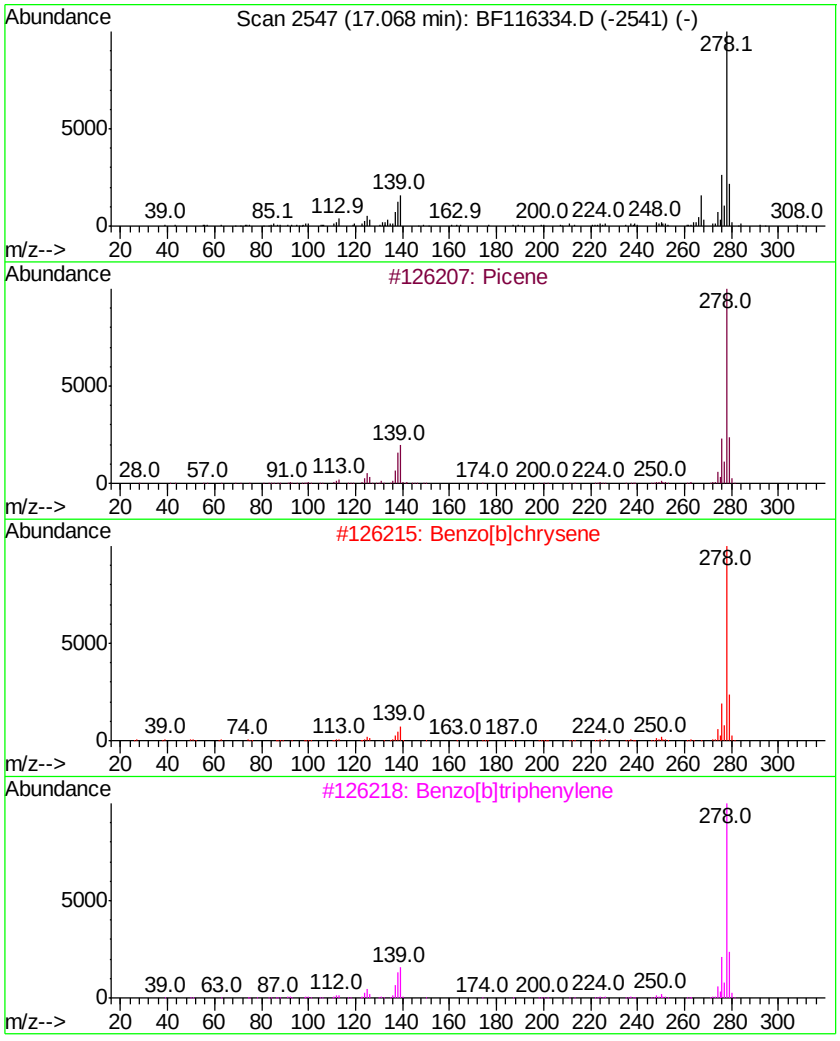
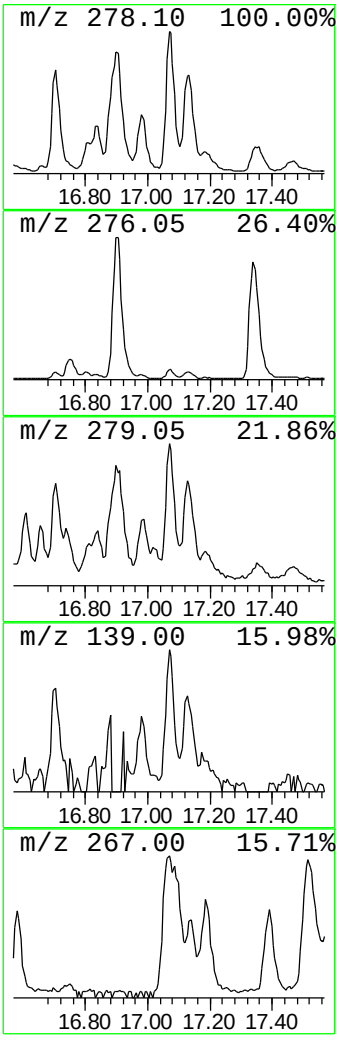
Peak Number 19 Picene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.07	7.56 ng	289201	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	97
2	Benzo[b]chrysene	278	C22H14	000214-17-5	95
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
4	Pentaphene	278	C22H14	000222-93-5	89
5	Pentacene	278	C22H14	000135-48-8	86





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Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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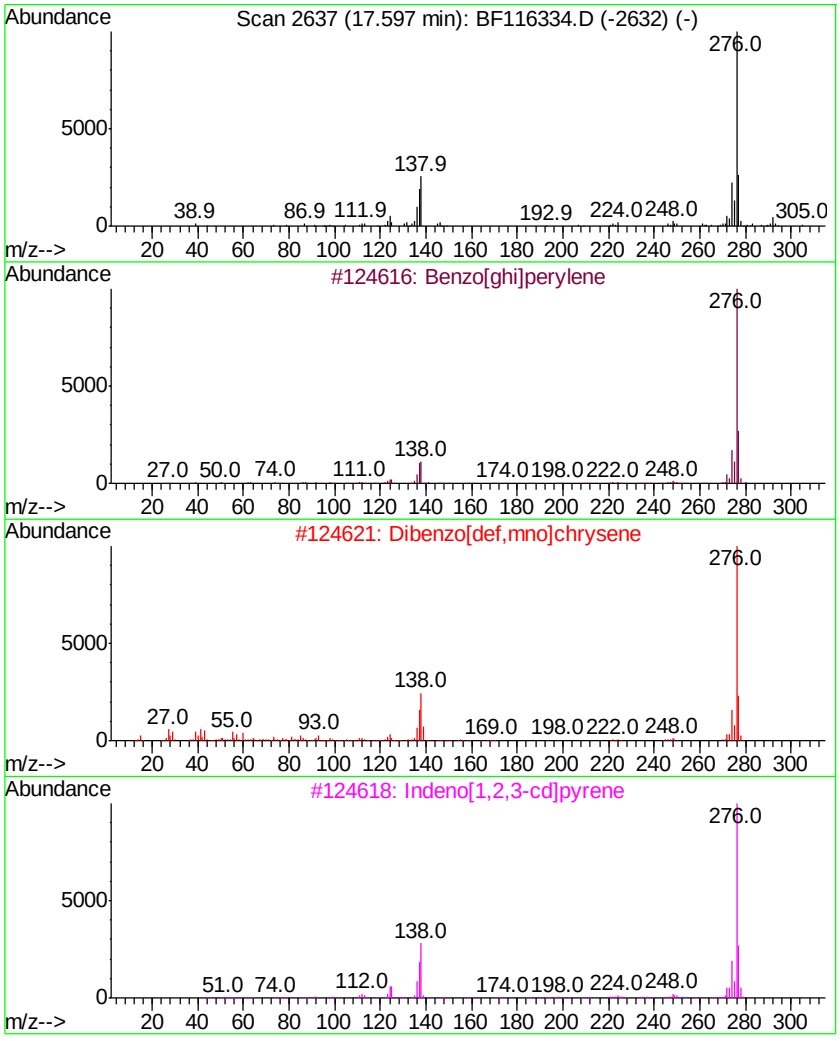
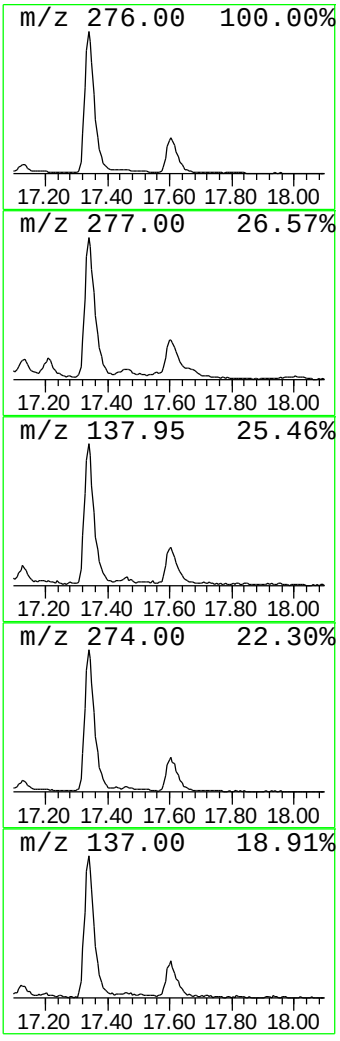
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.60	7.39 ng	282461	Perylene-d12	15.44

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	98
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	96
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	90
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	70
5	6H-Pyrido[4,3-b]carbazole, 9-met...	276	C18H16N2O	010371-86-5	50





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF081619\
Data File : BF116334.D
Acq On : 16 Aug 2019 22:50
Operator : HP/JU
Sample : K4265-20
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : REACTOR-4-A1-A4-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.12	51.6	ng	2341220	1	6.82	908041	20.0
unknown6.59	6.59	89.0	ng	4039820	1	6.82	908041	20.0
Dibenzothiophene	11.23	5.2	ng	313100	4	11.34	1195610	20.0
Phenanthrene, 2-m...	11.84	8.8	ng	526843	4	11.34	1195610	20.0
Phenanthrene, 1-m...	11.87	15.4	ng	919799	4	11.34	1195610	20.0
Anthracene, 1-met...	11.92	4.9	ng	291788	4	11.34	1195610	20.0
4H-Cyclopenta[def...	11.95	17.1	ng	1025340	4	11.34	1195610	20.0
Anthracene, 9-met...	11.97	6.4	ng	380377	4	11.34	1195610	20.0
Naphthalene, 2-ph...	12.13	6.6	ng	392458	4	11.34	1195610	20.0
Phenanthrene, 2,5...	12.39	6.1	ng	365159	4	11.34	1195610	20.0
Cyclopenta(def)ph...	12.49	5.7	ng	341787	4	11.34	1195610	20.0
Squalene	14.80	6.3	ng	241579	6	15.44	764708	20.0
9H-Fluorene, 9-(p...	14.87	5.5	ng	211718	6	15.44	764708	20.0
Benzo[e]pyrene	15.13	7.4	ng	283408	6	15.44	764708	20.0
Perylene	15.32	25.9	ng	991393	6	15.44	764708	20.0
11H-Indeno[2,1-a]...	15.67	5.4	ng	206498	6	15.44	764708	20.0
Heneicosane	16.33	5.2	ng	198062	6	15.44	764708	20.0
Picene	17.07	7.6	ng	289201	6	15.44	764708	20.0
Dibenzo[def,mno]c...	17.60	7.4	ng	282461	6	15.44	764708	20.0