LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126231.D
Acq On : 17 Dec 2021 12:56
Operator : JU/CG
Sample : M5083-11
Misc :
ALS Vial : 6 Sample Multiplier: 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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF126231.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.128	3	7	12	rVB	669921	829288	2.92%	0.306%
2	5.034	495	501	511	rVB	1641058	2311446	8.13%	0.852%
3	5.434	561	569	572	rBV	5262899	6294609	22.15%	2.319%
4	6.445	734	741	744	rBV	5001873	6271112	22.07%	2.311%
5	6.816	800	804	807	rBV	1782959	1405238	4.95%	0.518%
6	7.381	894	900	903	rBV	4017381	4137143	14.56%	1.524%
7	8.004	1002	1006	1017	rBV	758691	694379	2.44%	0.256%
8	8.098	1018	1022	1025	rBV	2350365	1944535	6.84%	0.717%
9	9.181	1200	1206	1209	rBV	5585733	5353106	18.84%	1.972%
10	9.710	1293	1296	1300	rVV	879180	805510	2.83%	0.297%
11	9.851	1312	1320	1323	rBV	1894859	1833902	6.45%	0.676%
12	9.892	1323	1327	1329	rVB	4456409	4332233	15.25%	1.596%
13	10.010	1343	1347	1350	rBV	886345	742368	2.61%	0.274%
14	10.398	1410	1413	1419	rVV	1794895	1651940	5.81%	0.609%
15	10.469	1419	1425	1430	rVV	2349476	3047489	10.72%	1.123%
16	10.516	1430	1433	1437	rVV	617114	712205	2.51%	0.262%
17	10.557	1437	1440	1445	rVV	1214514	1072932	3.78%	0.395%
18	10.639	1450	1454	1458	rVV2	3022246	3416085	12.02%	1.259%
19	10.763	1472	1475	1482	rVB2	1097689	964454	3.39%	0.355%
20	10.922	1500	1502	1504	rBV2	522231	545271	1.92%	0.201%
21	10.951	1504	1507	1509	rVV2	1510515	1461046	5.14%	0.538%
22	10.980	1509	1512	1515	rVV2	758588	786178	2.77%	0.290%
23	11.033	1518	1521	1523	rVB	880786	786947	2.77%	0.290%
24	11.075	1523	1528	1530	rBV2	658543	895835	3.15%	0.330%
25	11.098	1530	1532	1534	rVV2	991691	942315	3.32%	0.347%
26	11.145	1537	1540	1544	rVV4	503105	635528	2.24%	0.234%
27	11.186	1544	1547	1551	rVV2	1200663	1578168	5.55%	0.582%
28	11.233	1553	1555	1561	rVB2	442113	602312	2.12%	0.222%
29	11.339	1570	1573	1575	rBV	1367785	1304672	4.59%	0.481%
30	11.363	1575	1577	1580	rVV	2815704	2253937	7.93%	0.831%
31	11.416	1583	1586	1589	rVV	2575345	2147949	7.56%	0.791%
32	11.445	1589	1591	1595	rVV3	776352	763173	2.69%	0.281%
33	11.569	1609	1612	1614	rVV2	896607	872989	3.07%	0.322%
34	11.592	1614	1616	1621	rVV	586571	755010	2.66%	0.278%
35	11.639	1621	1624	1627	rVV	1335002	1176618	4.14%	0.434%
36	11.751	1639	1643	1648	rVB2	551113	778684	2.74%	0.287%

LSC Area Percent Report

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Sample : M5083-11
Misc :
ALS Vial : 6 Sample Multiplier: 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-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.839	1655	1658	1661	rVV	1110620	1190177	4.19%	0.439%
38	11.875	1661	1664	1668	rVV	2333882	2256977	7.94%	0.832%
39	11.922	1668	1672	1675	rVV3	1054974	1475669	5.19%	0.544%
40	11.969	1675	1680	1686	rVB2	5826954	8805530	30.99%	3.245%
41	12.139	1706	1709	1711	rBV	1305285	1107677	3.90%	0.408%
42	12.180	1711	1716	1719	rVB3	686382	1186251	4.17%	0.437%
43	12.286	1729	1734	1737	rBV2	975981	1227399	4.32%	0.452%
44	12.339	1742	1743	1748	rVB	613492	608388	2.14%	0.224%
45	12.392	1748	1752	1756	rBV	980583	1503137	5.29%	0.554%
46	12.433	1756	1759	1763	rBV2	614974	828968	2.92%	0.305%
47	12.533	1767	1776	1778	rBV	2986420	5523767	19.44%	2.035%
48	12.616	1778	1790	1792	rVB2	8348426	28416073	100.00%	10.471%
49	12.639	1792	1794	1796	rVB	1314432	967450	3.40%	0.356%
50	12.722	1804	1808	1812	rBV	2505621	2728980	9.60%	1.006%
51	12.827	1813	1826	1828	rBV2	8864655	24790084	87.24%	9.134%
52	12.916	1837	1841	1843	rBV	2408879	2920836	10.28%	1.076%
53	12.933	1843	1844	1851	rVB2	2898592	3432501	12.08%	1.265%
54	13.016	1852	1858	1861	rBV2	2201969	4187708	14.74%	1.543%
55	13.098	1869	1872	1873	rVV2	1753056	1922180	6.76%	0.708%
56	13.127	1874	1877	1879	rVB	3764177	3819494	13.44%	1.407%
57	13.192	1884	1888	1890	rBV	3144358	3217705	11.32%	1.186%
58	13.227	1890	1894	1896	rVV2	2641535	3134291	11.03%	1.155%
59	13.251	1896	1898	1901	rVV	2168860	1876636	6.60%	0.691%
60	13.280	1901	1903	1906	rVB	809449	616097	2.17%	0.227%
61	13.316	1906	1909	1911	rBV	1315763	1187775	4.18%	0.438%
62	13.345	1911	1914	1917	rVB2	1418249	1404143	4.94%	0.517%
63	13.498	1936	1940	1941	rBV3	486924	677699	2.38%	0.250%
64	13.516	1941	1943	1945	rVV2	661465	745543	2.62%	0.275%
65	13.539	1945	1947	1950	rVV	935627	1013827	3.57%	0.374%
66	13.627	1954	1962	1966	rVV	2558278	3565847	12.55%	1.314%
67	13.739	1976	1981	1983	rBV	3040007	3792147	13.35%	1.397%
68	13.768	1983	1986	1988	rVV	2734906	2987337	10.51%	1.101%
69	13.792	1988	1990	1996	rVV3	2399270	3962649	13.95%	1.460%
70	13.839	1996	1998	2001	rVV	1382948	1255822	4.42%	0.463%
71	13.874	2001	2004	2007	rVV	984552	969338	3.41%	0.357%
72	13.904	2007	2009	2013	rVB	876381	879649	3.10%	0.324%
73	13.998	2016	2025	2027	rBV	5939720	12390069	43.60%	4.565%
74	14.033	2027	2031	2037	rVB	5092882	7658966	26.95%	2.822%
75	14.104	2037	2043	2046	rBV	2881122	3474171	12.23%	1.280%
76	14.168	2052	2054	2057	rVB3	604209	578079	2.03%	0.213%

LSC Area Percent Report

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Integration Parameters: rteint.p
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.204	2057	2060	2064	rVV2	1513121	1543449	5.43%	0.569%
78	14.239	2064	2066	2069	rVV2	688272	708648	2.49%	0.261%
79	14.304	2073	2077	2080	rVV3	401180	663906	2.34%	0.245%
80	14.333	2080	2082	2084	rVV	715813	711103	2.50%	0.262%
81	14.374	2084	2089	2091	rVV	1675895	2171810	7.64%	0.800%
82	14.404	2091	2094	2098	rVV3	1264685	1439099	5.06%	0.530%
83	14.463	2101	2104	2107	rVV2	868589	1188854	4.18%	0.438%
84	14.498	2107	2110	2112	rVV	1671052	1833293	6.45%	0.676%
85	14.516	2112	2113	2116	rVB	1524286	1047822	3.69%	0.386%
86	14.563	2116	2121	2127	rVB3	759847	1401619	4.93%	0.516%
87	14.674	2136	2140	2143	rBV	670214	861628	3.03%	0.317%
88	14.851	2165	2170	2179	rVB4	927573	1971457	6.94%	0.726%
89	15.045	2193	2203	2209	rBV2	4677630	13840570	48.71%	5.100%
90	15.098	2209	2212	2214	rVV	443169	544608	1.92%	0.201%
91	15.127	2214	2217	2221	rVB	1290947	1443675	5.08%	0.532%
92	15.221	2229	2233	2238	rBV3	460890	928350	3.27%	0.342%
93	15.280	2240	2243	2245	rVV2	480620	647778	2.28%	0.239%
94	15.333	2245	2252	2256	rVV	3054042	4993212	17.57%	1.840%
95	15.398	2256	2263	2266	rVB	3537698	5124535	18.03%	1.888%
96	15.439	2266	2270	2273	rBV2	842249	1193283	4.20%	0.440%
97	15.474	2273	2276	2281	rVB	1632114	2115224	7.44%	0.779%
98	16.868	2506	2513	2518	rVB2	1089681	2192167	7.71%	0.808%
99	17.092	2545	2551	2562	rVB3	296425	668318	2.35%	0.246%
100	17.298	2578	2586	2601	rVB	761025	1762743	6.20%	0.650%

Sum of corrected areas: 271390793

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
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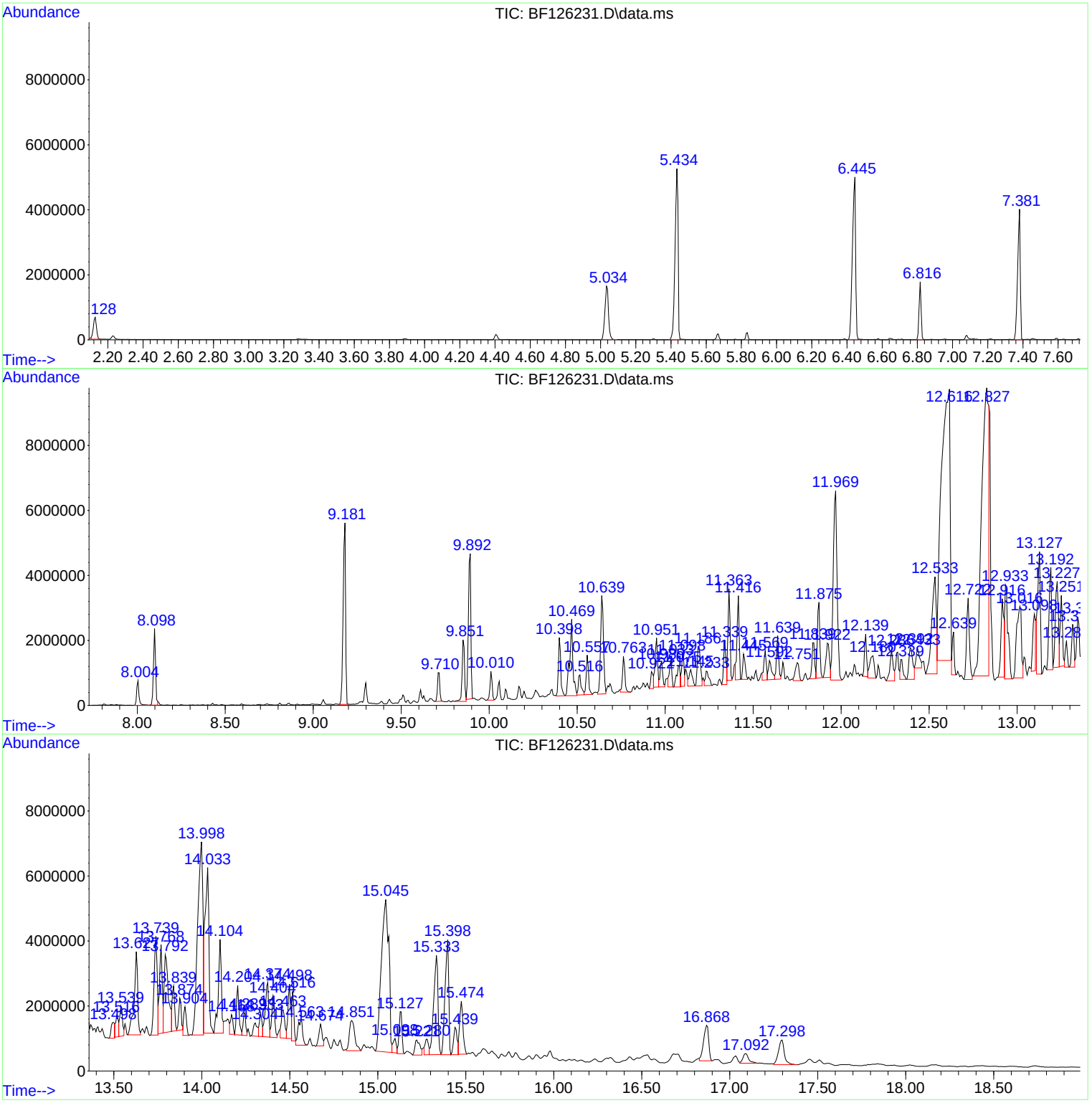
Sample : M5083-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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\BF121721\
Data File : BF126231.D
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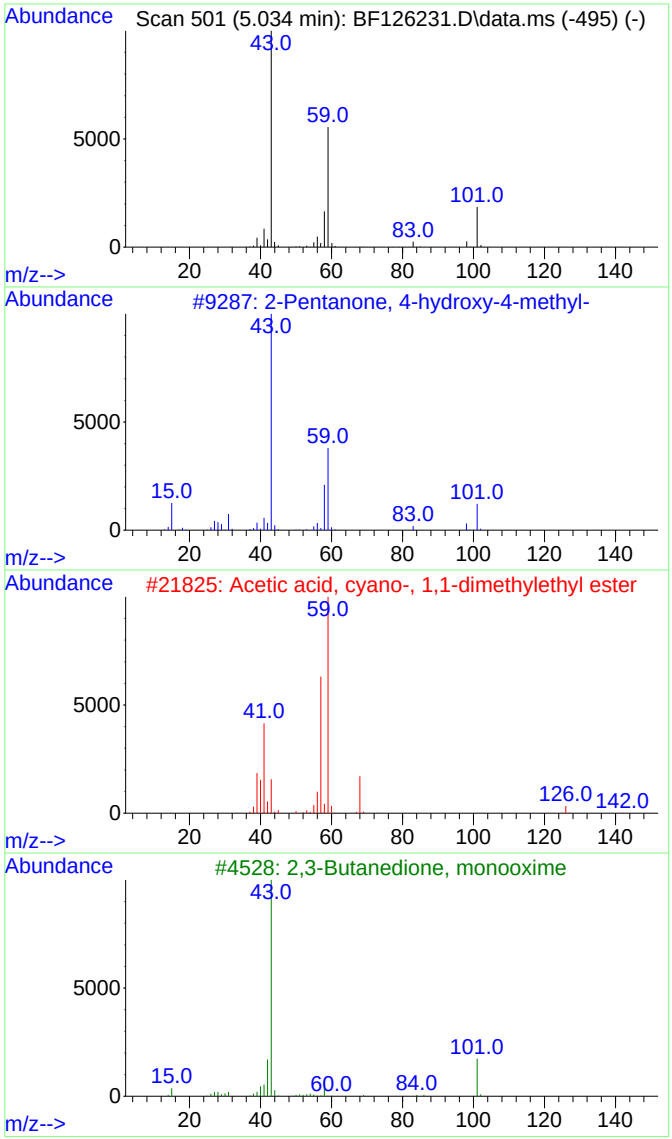
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

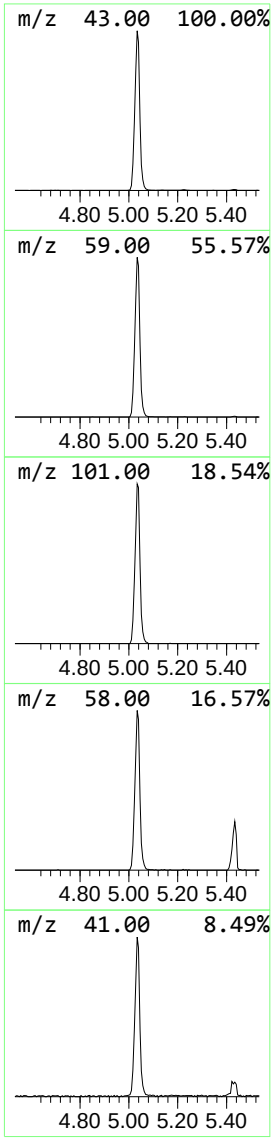
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.034	32.90 ng	2311450	1,4-Dichlorobenzene-d4	6.816

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	59
2	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	23
3	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	9
4	Acetone	58	C3H6O	000067-64-1	9
5	Butyl aldoxime, 3-methyl-, syn-	101	C5H11NO	005780-40-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126231.D
Acq On : 17 Dec 2021 12:56
Operator : JU/CG
Sample : M5083-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

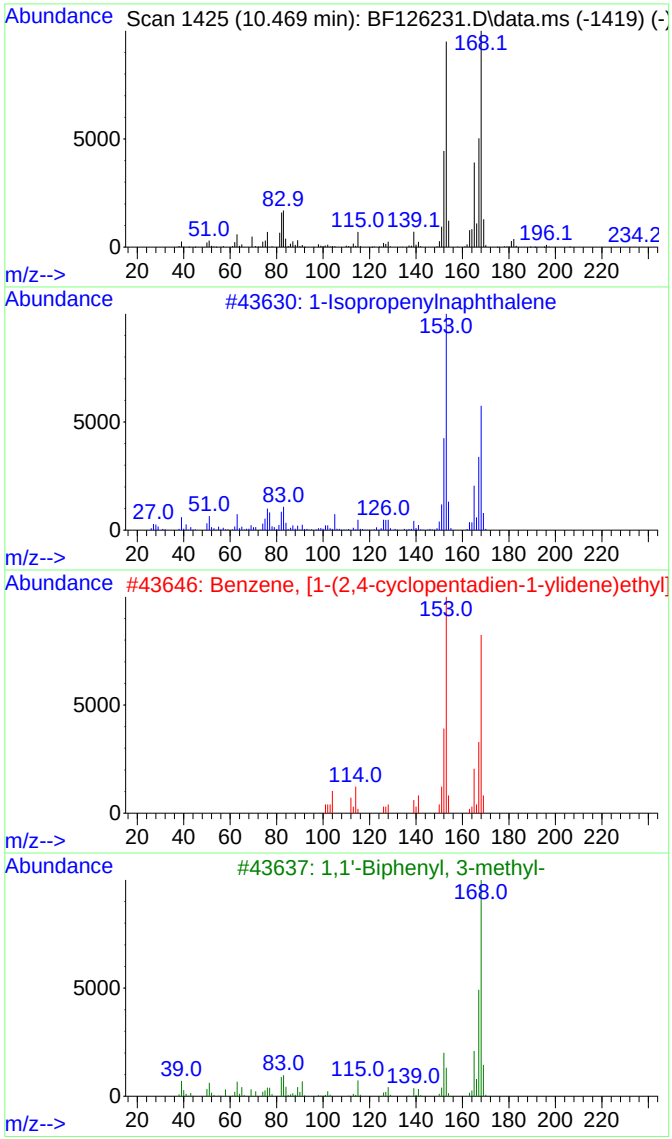
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

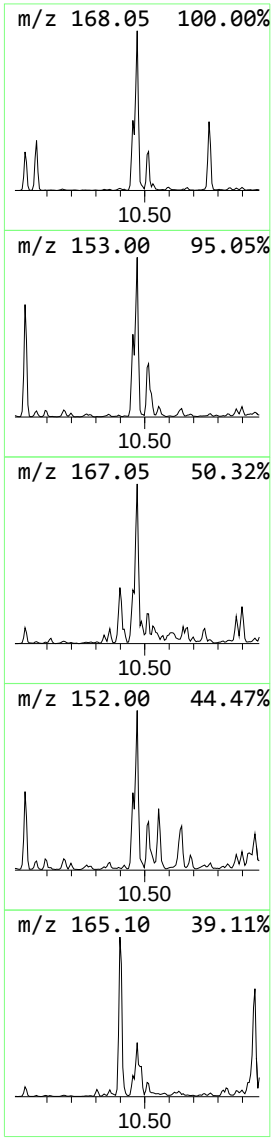
****

Peak Number 2 1-Isopropenylnaphthalene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.469	33.23 ng	3047490	Acenaphthene-d10	9.851

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Isopropenylnaphthalene	168	C13H12	001855-47-6	95
2	Benzene, [1-(2,4-cyclopentadien-...	168	C13H12	002320-32-3	72
3	1,1'-Biphenyl, 3-methyl-	168	C13H12	000643-93-6	64
4	Naphthalene, 2-(1-methylethenyl)-	168	C13H12	003710-23-4	53
5	Naphthalene, 1-(2-propenyl)-	168	C13H12	002489-86-3	53





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Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

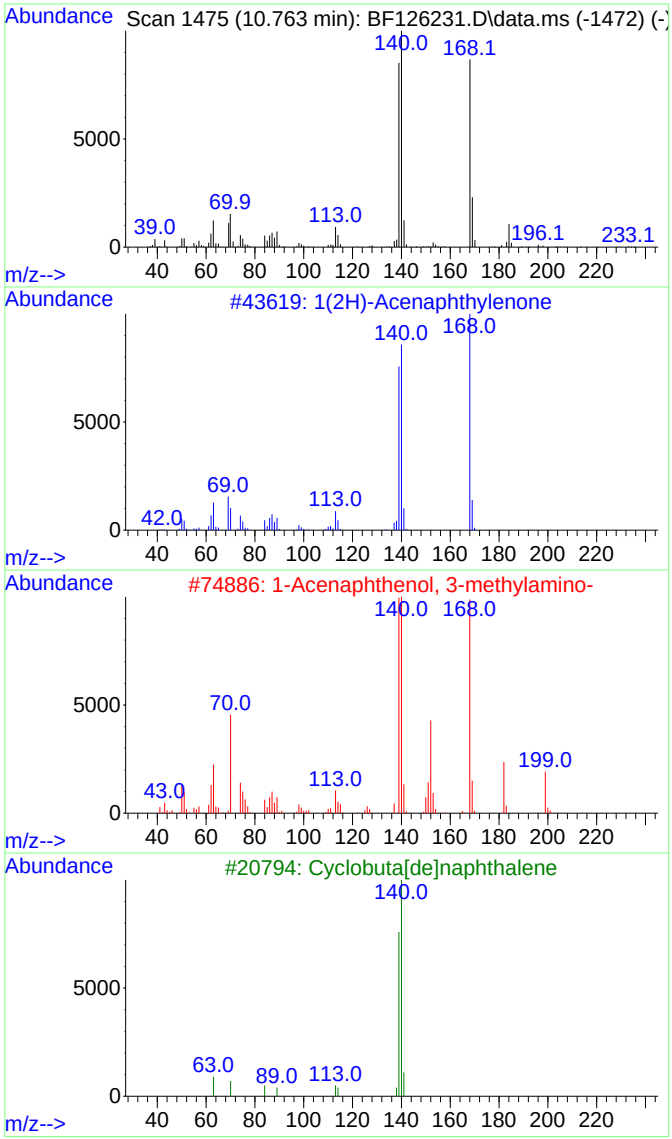
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

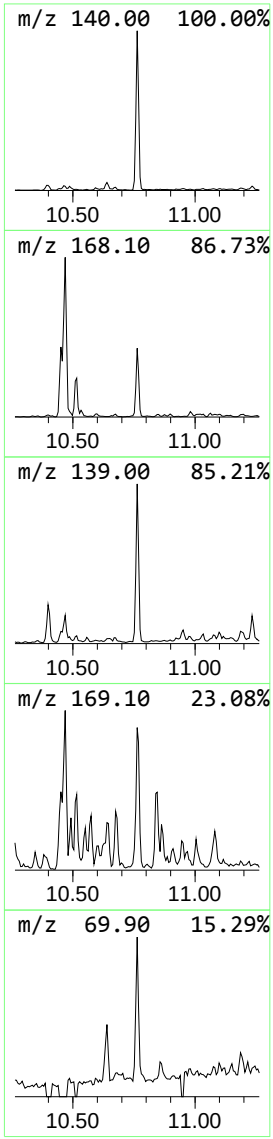
****

Peak Number 3 1(2H)-Acenaphthylenone Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.763	14.78 ng	964454	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1(2H)-Acenaphthylenone	168	C12H8O	002235-15-6	95
2	1-Acenaphthenol, 3-methylamino-	199	C13H13NO	1000129-22-6	78
3	Cyclobuta[de]naphthalene	140	C11H8	024973-91-9	60
4	2,4-Dimethoxypyrimidine	140	C6H8N2O2	003551-55-1	43
5	Benzaldehyde, 4-fluoro-3-hydroxy-	140	C7H5FO2	103438-85-3	43





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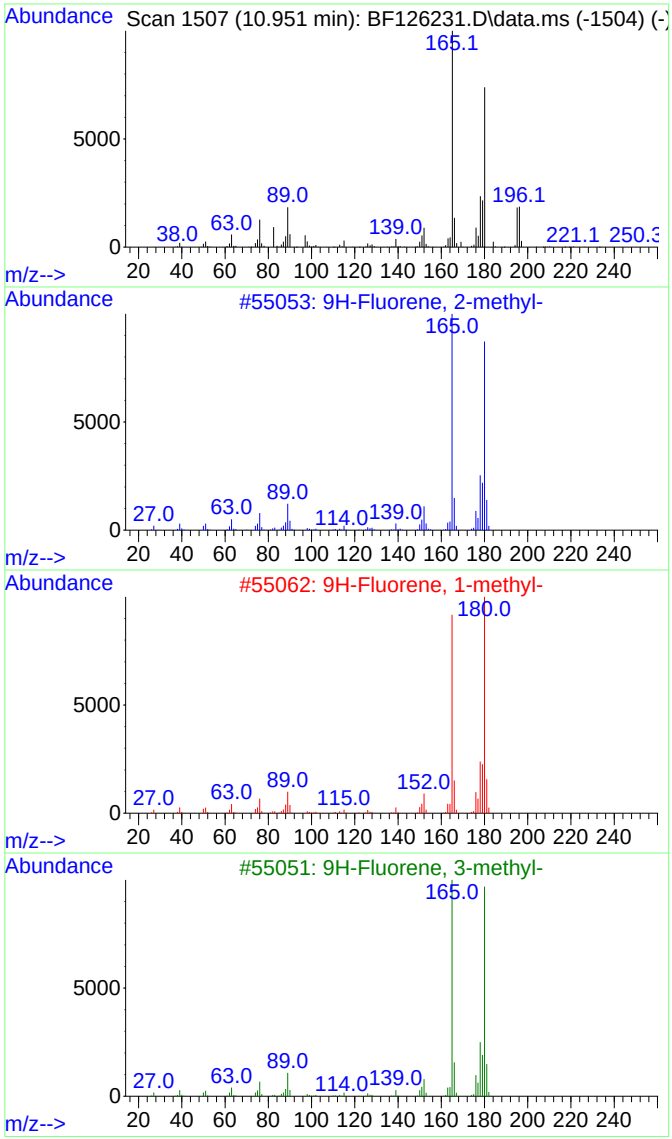
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

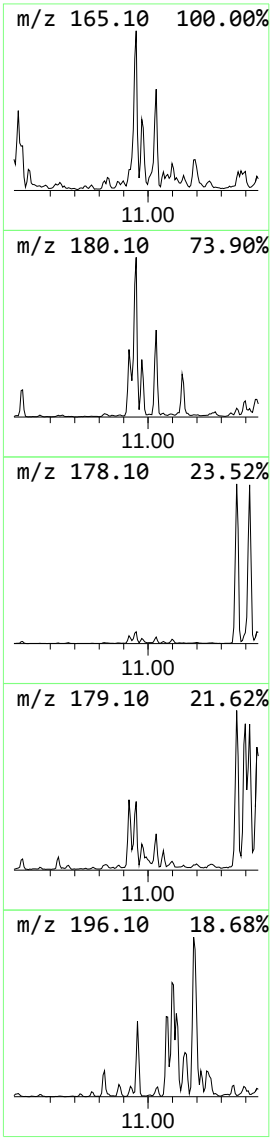
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 9H-Fluorene, 2-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.951	22.40 ng	1461050	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	95
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	94
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	83
5	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	81





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Data File : BF126231.D
Acq On : 17 Dec 2021 12:56
Operator : JU/CG
Sample : M5083-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

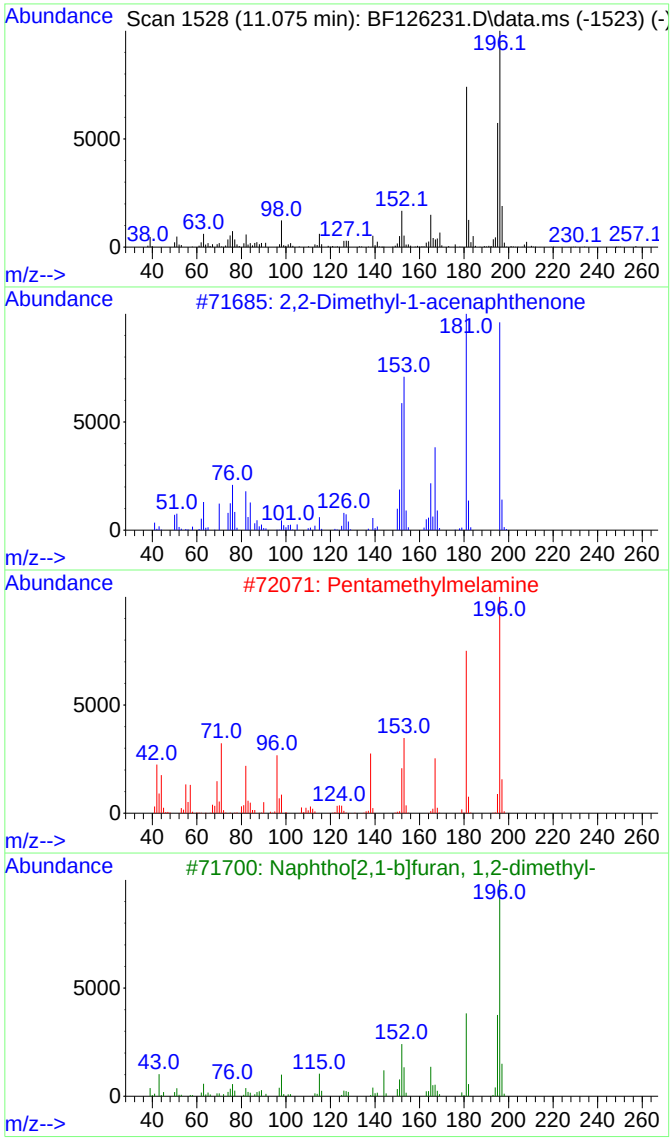
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

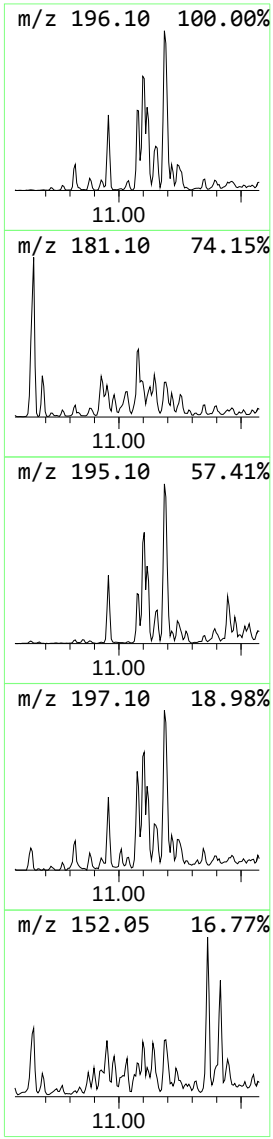
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2,2-Dimethyl-1-acenaphthenone Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.075	13.73 ng	895835	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	76
2	Pentamethylmelamine	196	C8H16N6	035832-09-8	64
3	Naphtho[2,1-b]furan, 1,2-dimethyl-	196	C14H12O	129812-23-3	58
4	4,5-Dimethoxy-2-hydroxyacetophenone	196	C10H12O4	020628-06-2	52
5	p-Toluenesulfonamide, N-(xanthen...	351	C20H17NO3S	006326-06-3	50





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Operator : JU/CG
Sample : M5083-11
Misc :
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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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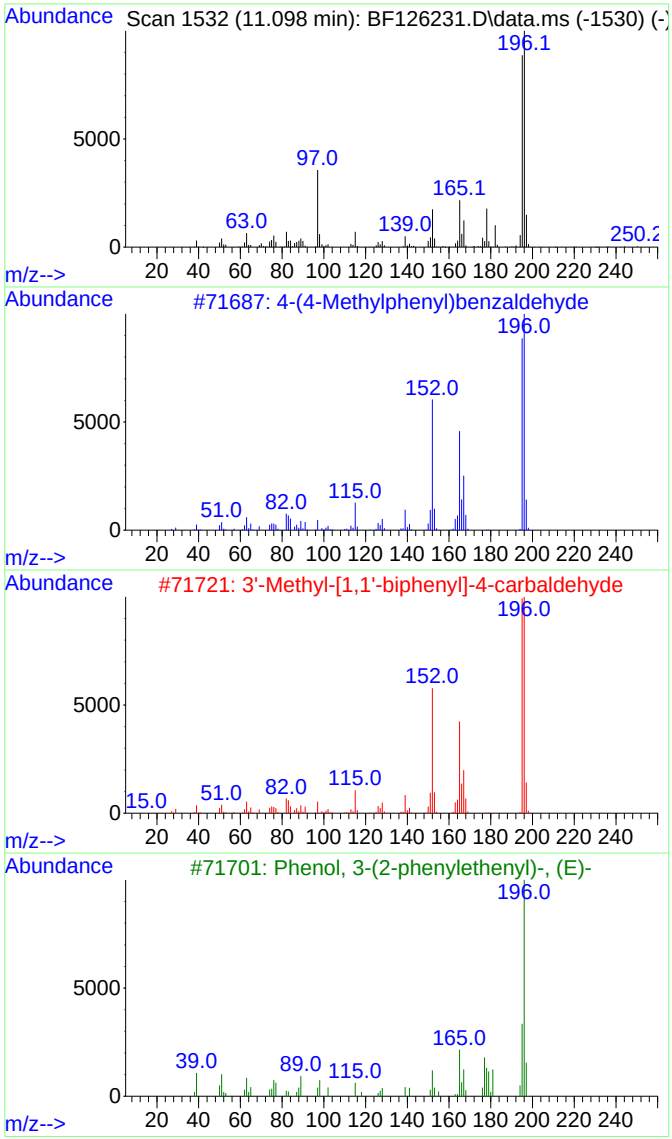
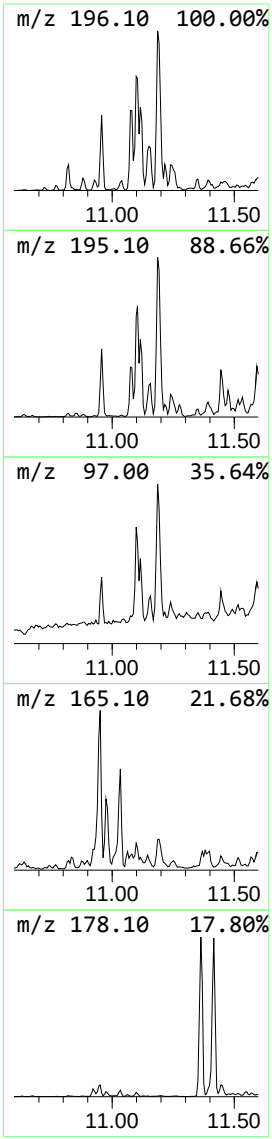
Peak Number 6 4-(4-Methylphenyl)benzaldehyde Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.098	14.45 ng	942315	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	95
2	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	95
3	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	64
4	Phenol, 4-(2-phenylethenyl)-, (E)-	196	C14H12O	006554-98-9	58
5	Benzenamine, 4-[(E)-2-(4-pyridin...	196	C13H12N2	1000351-61-4	55





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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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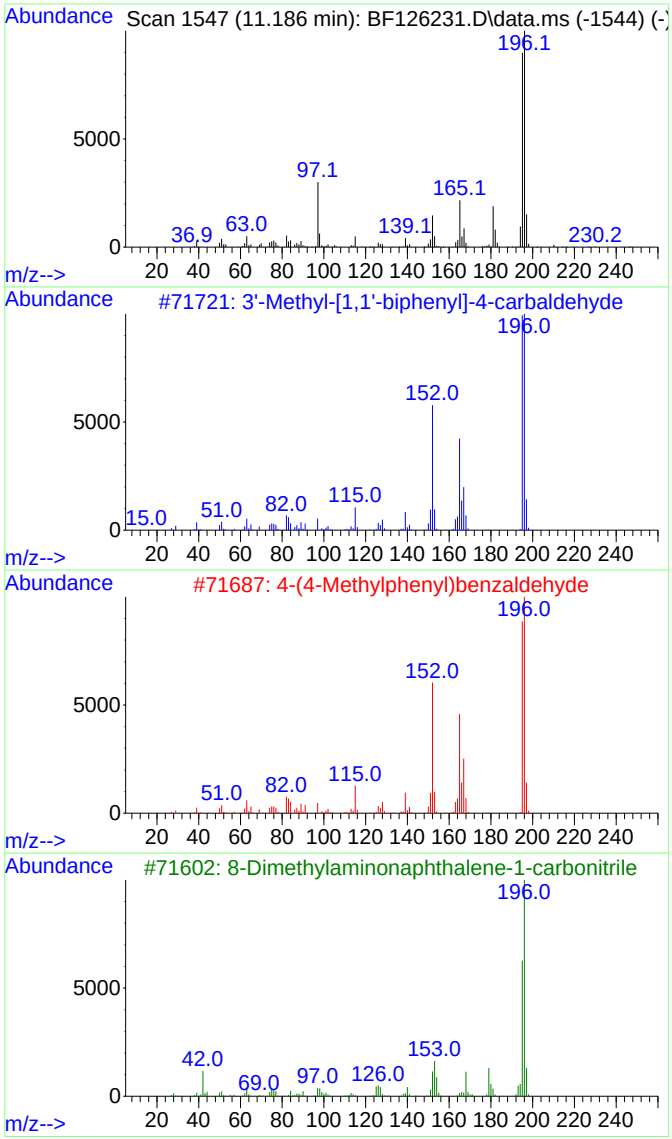
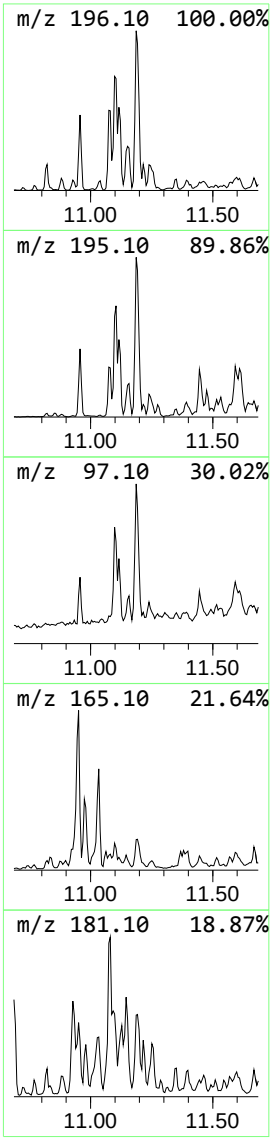
Peak Number 7 3'-Methyl-[1,1'-biphenyl]-4... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.186	24.19 ng	1578170	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3'-Methyl-[1,1'-biphenyl]-4-carb...	196	C14H12O	400744-83-4	90
2	4-(4-Methylphenyl)benzaldehyde	196	C14H12O	036393-42-7	90
3	8-Dimethylaminonaphthalene-1-car...	196	C13H12N2	128644-69-9	64
4	Phenol, 3-(2-phenylethenyl)-, (E)-	196	C14H12O	017861-18-6	52
5	Phenol, 4-(2-phenylethenyl)-	196	C14H12O	003839-46-1	52





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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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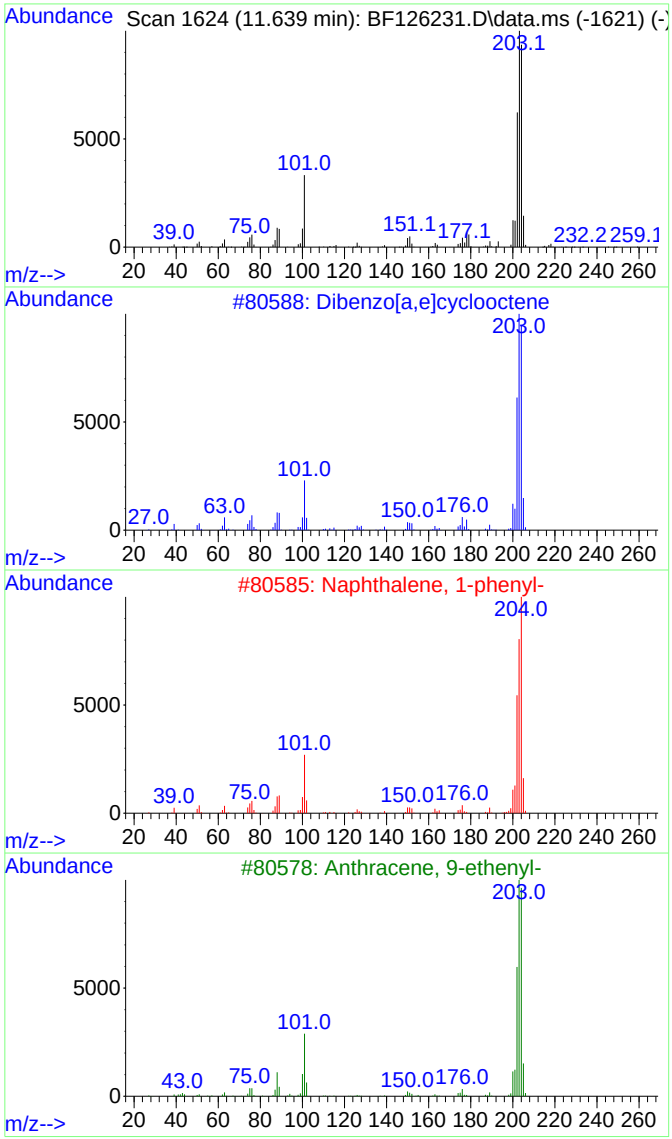
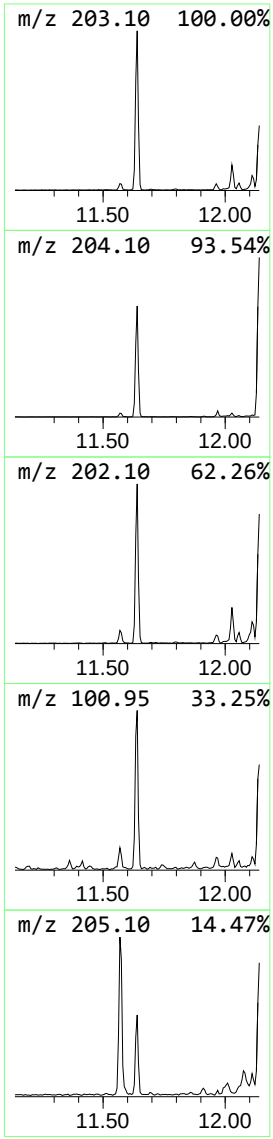
Peak Number 8 Dibenzo[a,e]cyclooctene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.639	18.04 ng	1176620	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[a,e]cyclooctene	204	C16H12	000262-89-5	96
2	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	96
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	94
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	94
5	9,10-ethenoanthracene, 9,10-dihy...	204	C16H12	1000400-47-8	89





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Misc :
ALS Vial : 6 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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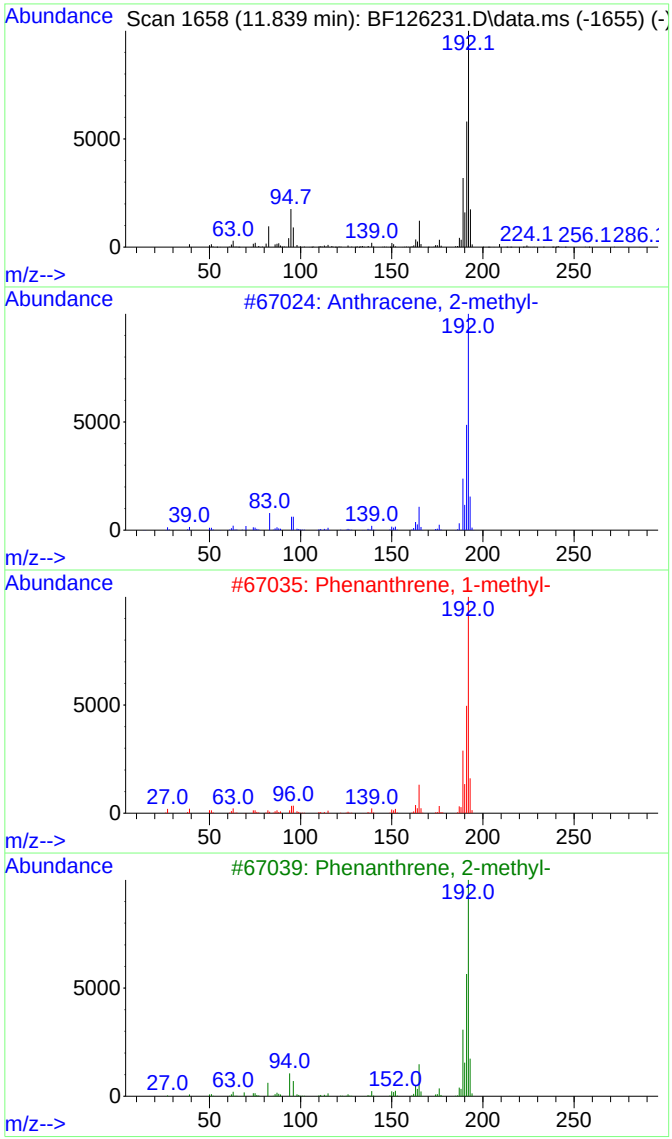
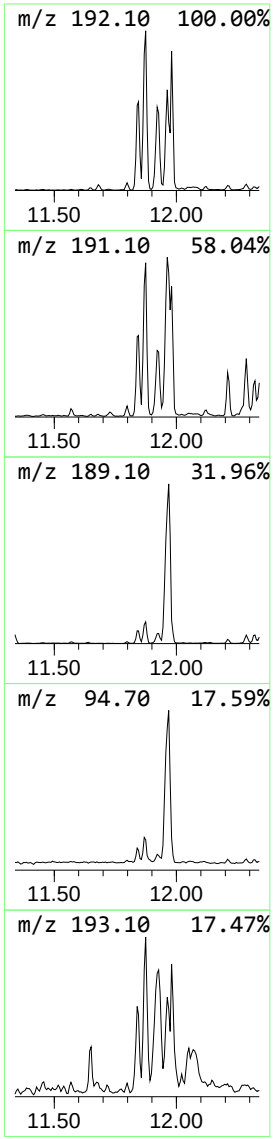
Peak Number 9 Anthracene, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.839	18.24 ng	1190180	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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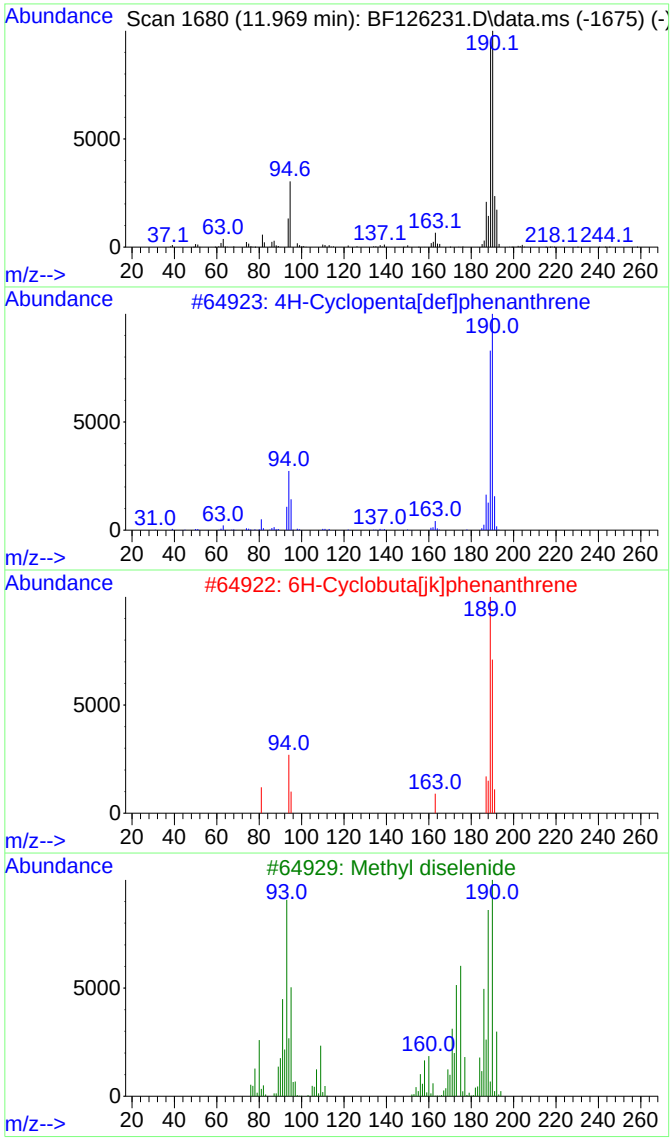
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

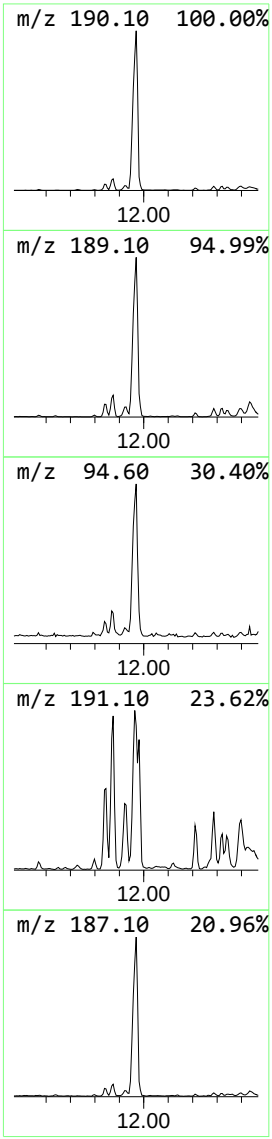
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.969	134.99 ng	8805530	Phenanthrene-d10	11.339

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	45
4	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	38
5	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	38





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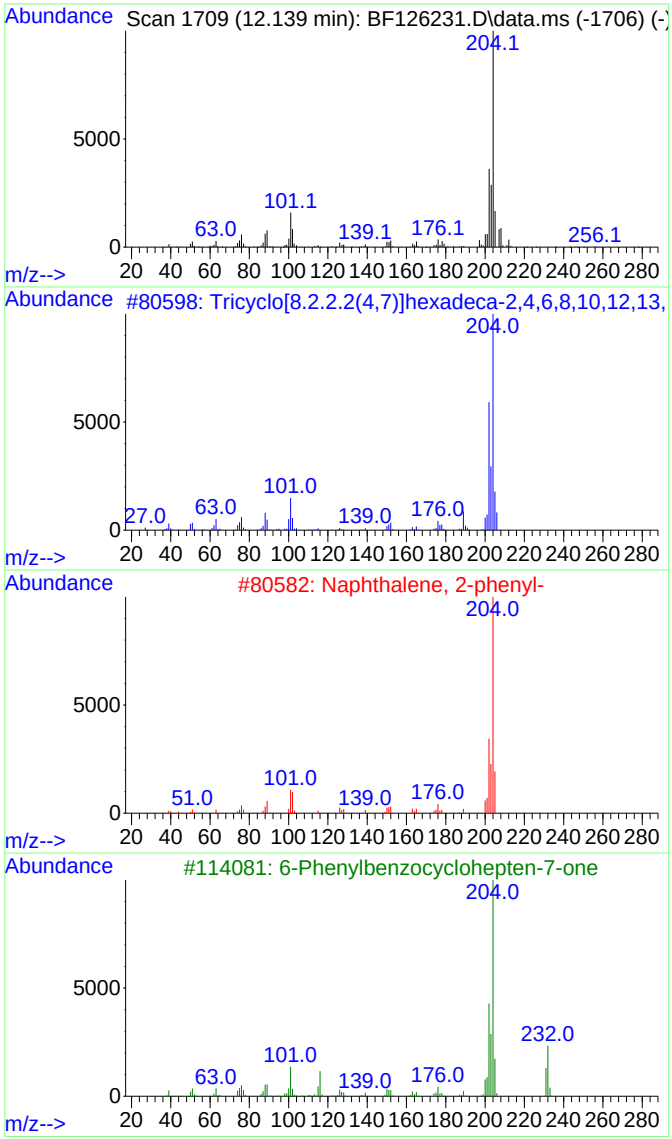
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

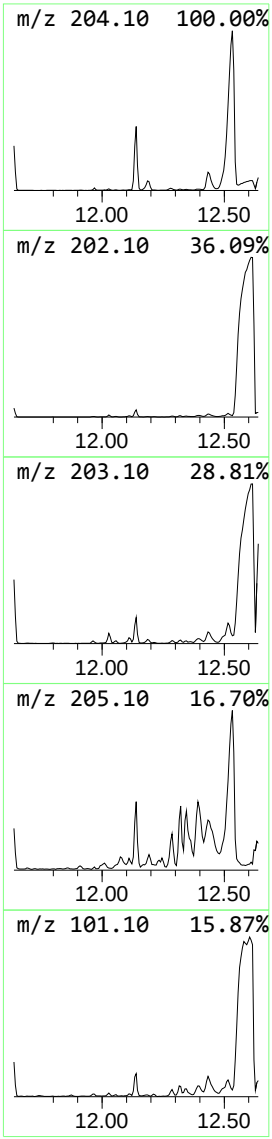
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Tricyclo[8.2.2.2(4,7)]hexad... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.139	16.98 ng	1107680	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	95
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
3	6-Phenylbenzocyclohepten-7-one	232	C17H12O	093327-56-1	86
4	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	80
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	64





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Misc :
ALS Vial : 6 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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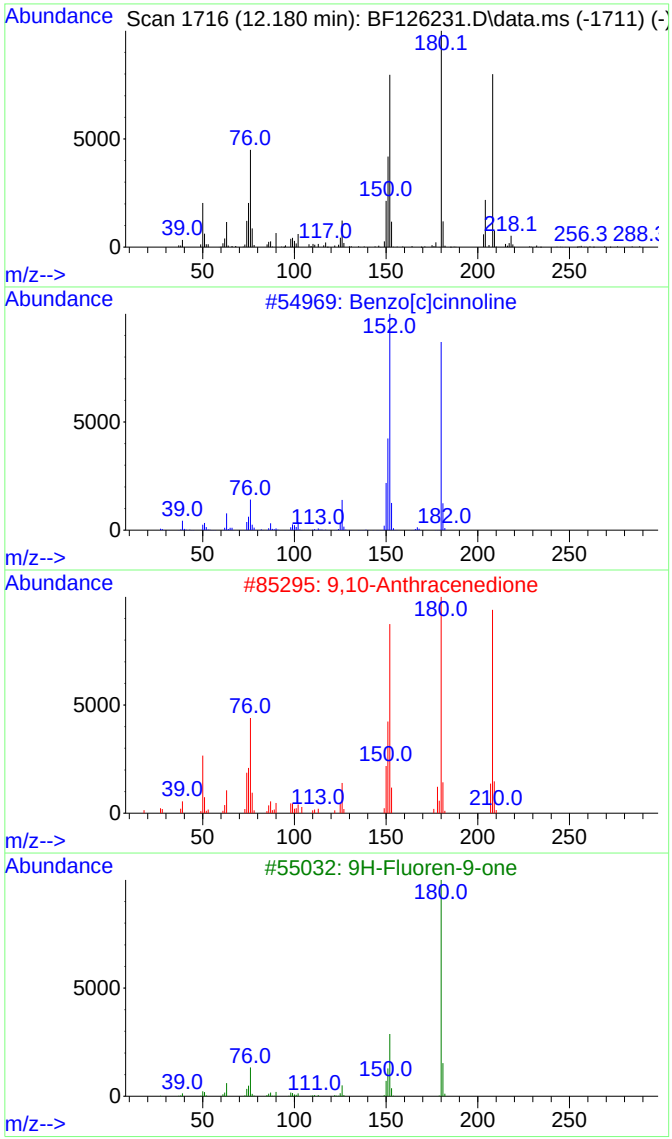
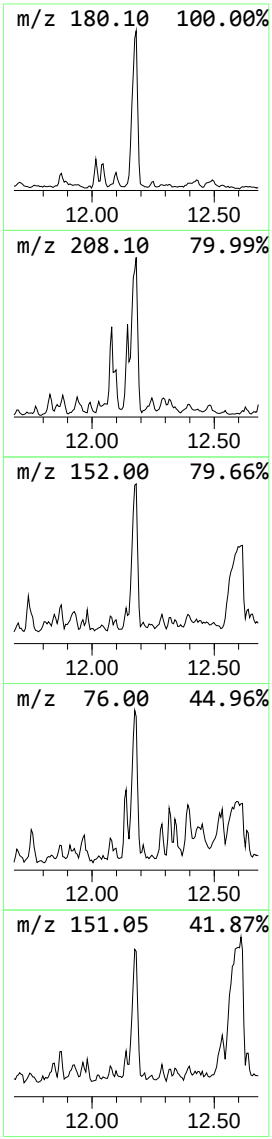
Peak Number 12 Benzo[c]cinnoline Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.180	18.18 ng	1186250	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	96
2	9,10-Anthracenedione	208	C14H8O2	000084-65-1	95
3	9H-Fluoren-9-one	180	C13H8O	000486-25-9	83
4	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	53





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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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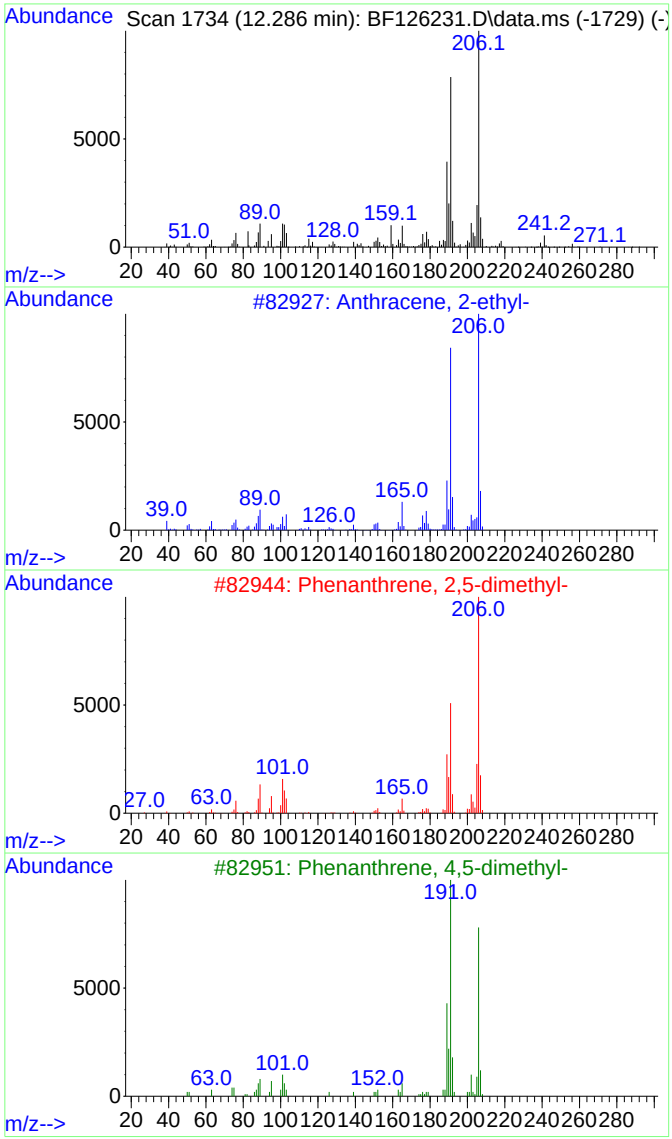
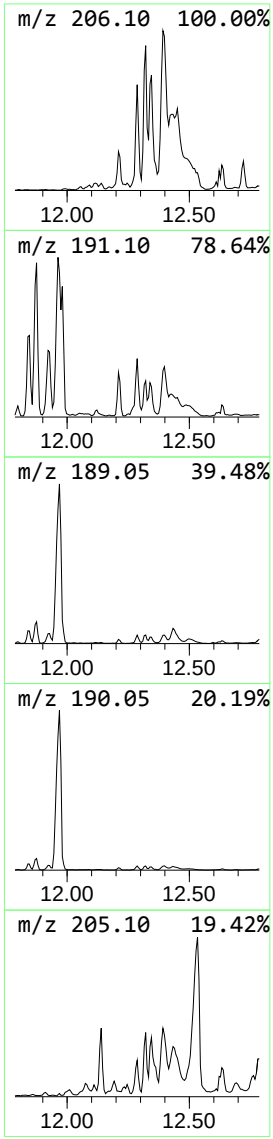
Peak Number 13 Anthracene, 2-ethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	18.82 ng	1227400	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





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Misc :
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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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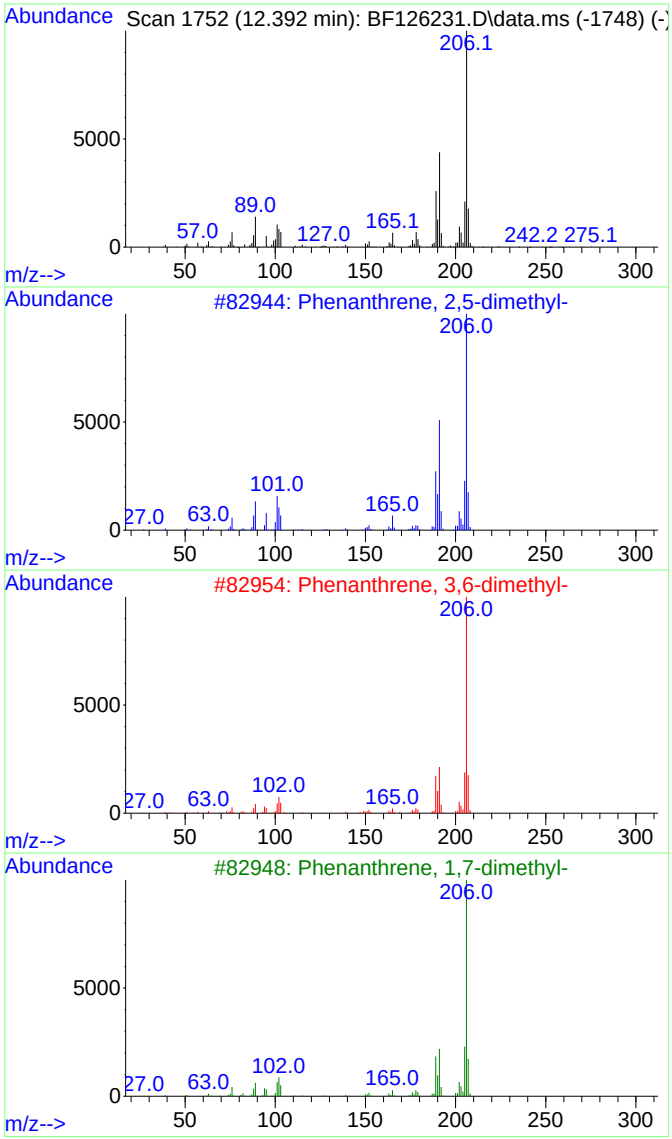
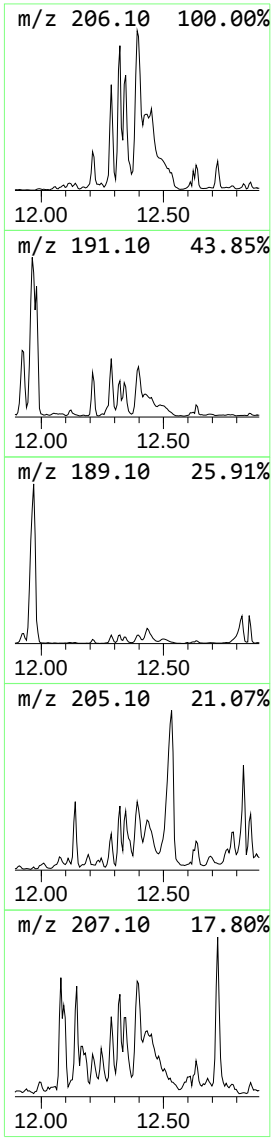
Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.392	23.04 ng	1503140	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	96
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	96
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	95
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	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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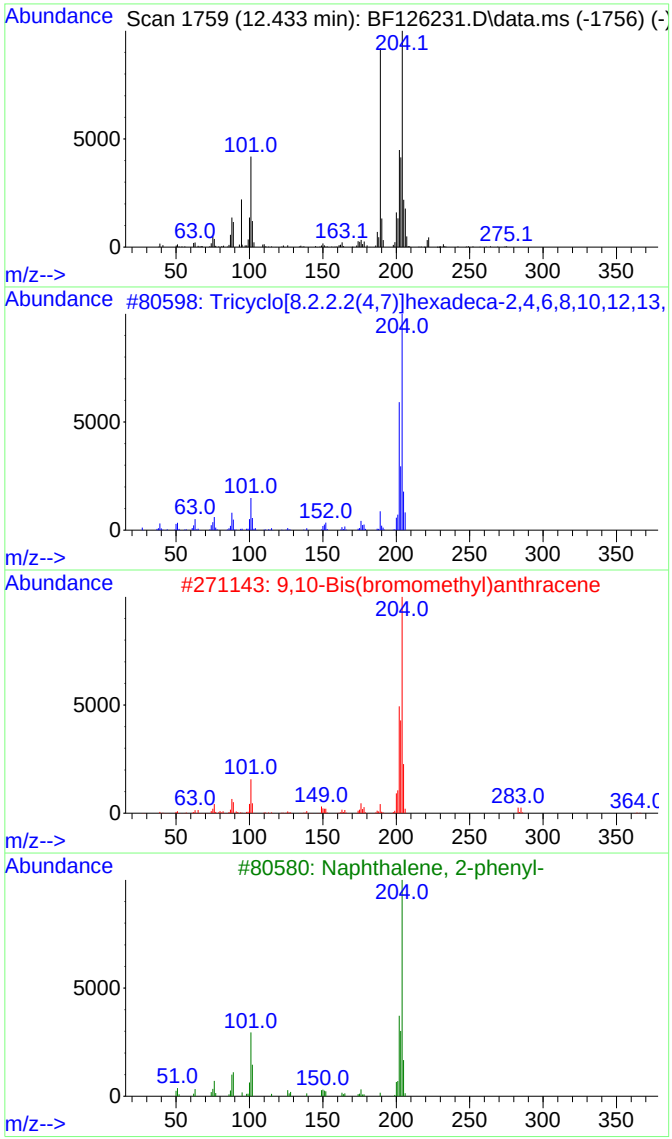
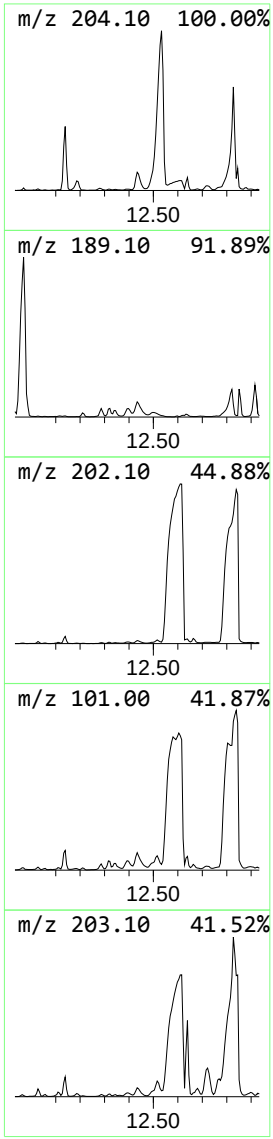
Peak Number 15 unknown12.433 Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.433	12.71 ng	828968	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	60
2	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	47
3	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	46
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	46
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	46





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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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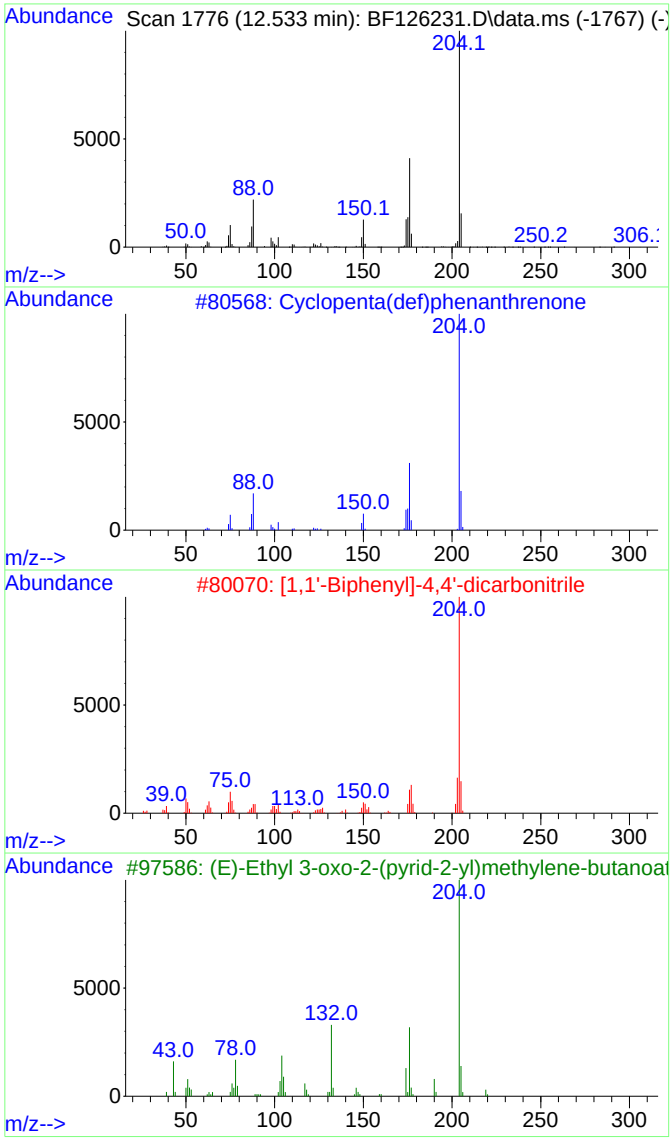
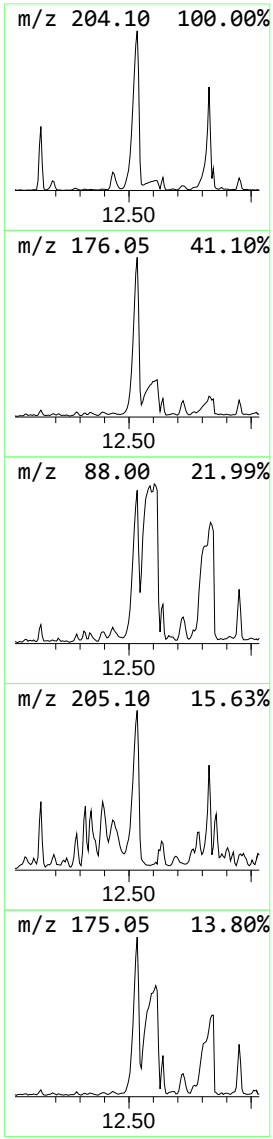
Peak Number 16 Cyclopenta(def)phenanthrenone Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.533	84.68 ng	5523770	Phenanthrene-d10	11.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	38
3	(E)-Ethyl 3-oxo-2-(pyrid-2-yl)me...	219	C12H13NO3	1000147-59-7	36
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	33
5	[1,2,4]Triazolo[5,1-b]quinazolin...	204	C10H12N4O	1000337-56-5	33





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Operator : JU/CG
Sample : M5083-11
Misc :
ALS Vial : 6 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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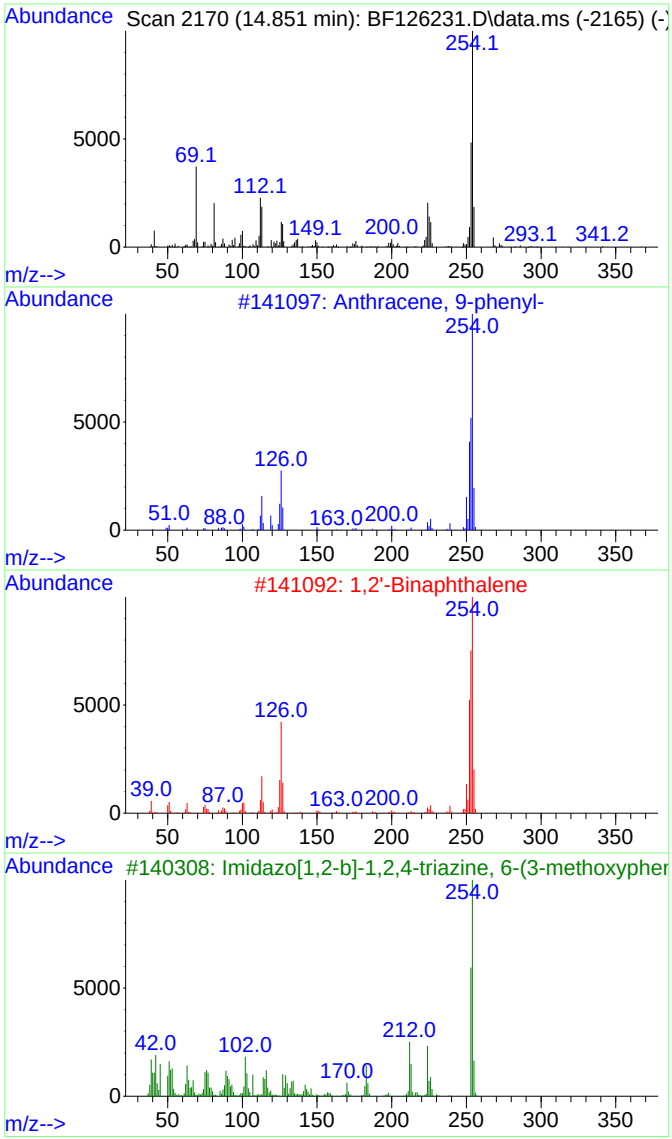
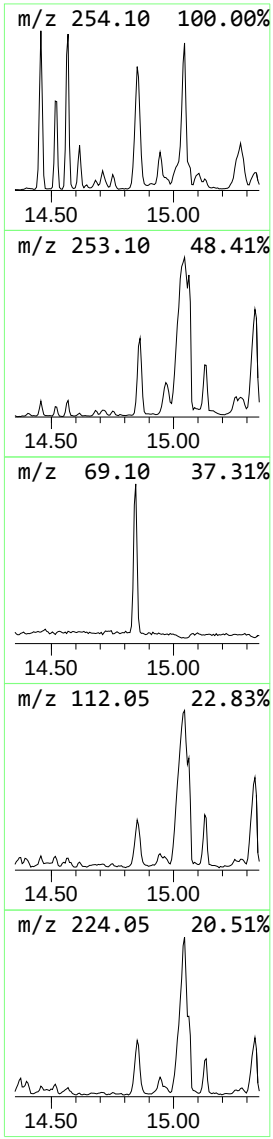
Peak Number 17 Anthracene, 9-phenyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.851	33.04 ng	1971460	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	62
2	1,2'-Binaphthalene	254	C20H14	004325-74-0	58
3	Imidazo[1,2-b]-1,2,4-triazine, 6...	254	C14H14N4O	1000277-24-4	53
4	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	49
5	Phenanthrene, 2-phenyl-	254	C20H14	004325-77-3	49





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Data File : BF126231.D
Acq On : 17 Dec 2021 12:56
Operator : JU/CG
Sample : M5083-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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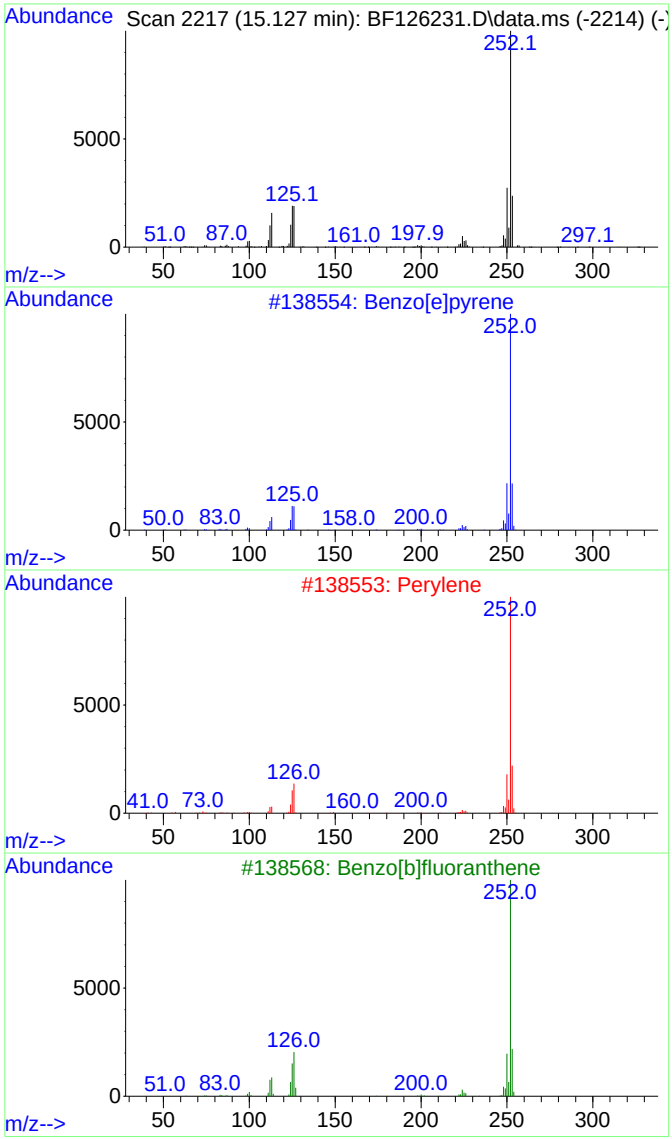
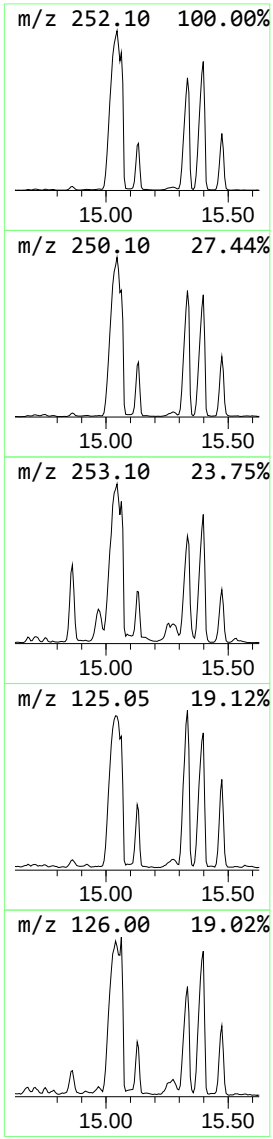
Peak Number 18 Benzo[e]pyrene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.127	24.20 ng	1443680	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Perylene	252	C20H12	000198-55-0	97
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	96
4	Benzo[a]pyrene	252	C20H12	000050-32-8	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94





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Data File : BF126231.D
Acq On : 17 Dec 2021 12:56
Operator : JU/CG
Sample : M5083-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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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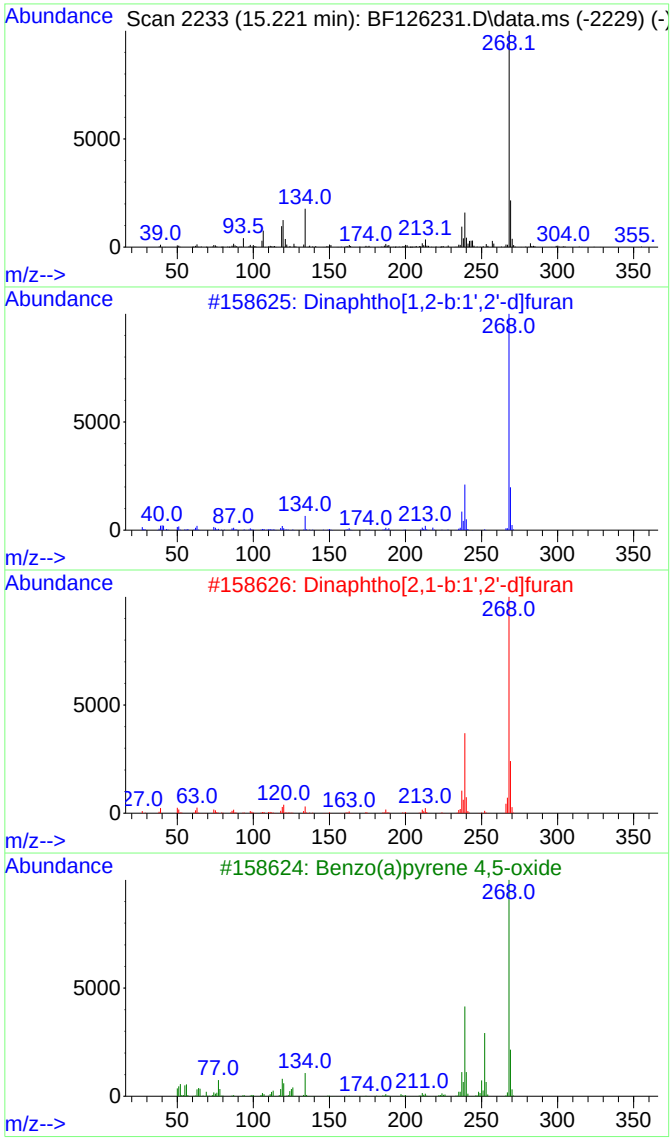
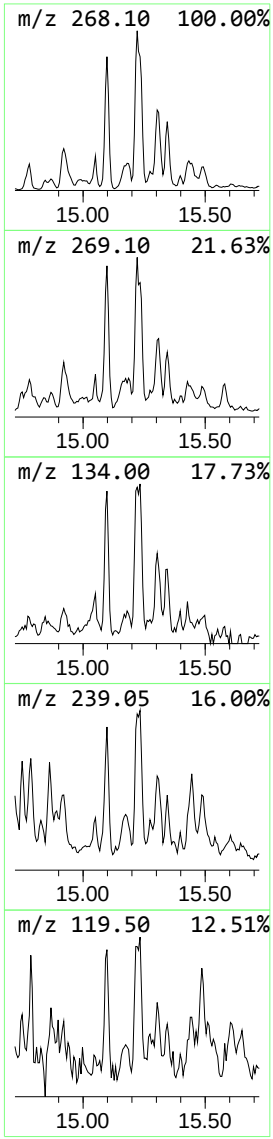
Peak Number 19 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.221	15.56 ng	928350	Perylene-d12	15.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	89
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	80
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	72
4	Benzo(a)pyren-7-ol	268	C20H12O	037994-82-4	59
5	Pyrrolo[3,2-f]quinolin-9-one, 1,...	268	C17H20N2O	1000302-73-3	59





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121721\
Data File : BF126231.D
Acq On : 17 Dec 2021 12:56
Operator : JU/CG
Sample : M5083-11
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF121521.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
2-Pentanone, 4-...	5.034	32.9	ng	2311450	1	6.816	1405240	20.0
1-Isopropenylna...	10.469	33.2	ng	3047490	3	9.851	1833900	20.0
1(2H)-Acenaphth...	10.763	14.8	ng	964454	4	11.339	1304670	20.0
9H-Fluorene, 2-...	10.951	22.4	ng	1461050	4	11.339	1304670	20.0
2,2-Dimethyl-1-...	11.075	13.7	ng	895835	4	11.339	1304670	20.0
4-(4-Methylphen...	11.098	14.4	ng	942315	4	11.339	1304670	20.0
3'-Methyl-[1,1'...	11.186	24.2	ng	1578170	4	11.339	1304670	20.0
Dibenzo[a,e]cyc...	11.639	18.0	ng	1176620	4	11.339	1304670	20.0
Anthracene, 2-m...	11.839	18.2	ng	1190180	4	11.339	1304670	20.0
4H-Cyclopenta[d...	11.969	135.0	ng	8805530	4	11.339	1304670	20.0
Tricyclo[8.2.2....	12.139	17.0	ng	1107680	4	11.339	1304670	20.0
Benzo[c]cinnoline	12.180	18.2	ng	1186250	4	11.339	1304670	20.0
Anthracene, 2-e...	12.286	18.8	ng	1227400	4	11.339	1304670	20.0
Phenanthrene, 2...	12.392	23.0	ng	1503140	4	11.339	1304670	20.0
unknown12.433	12.433	12.7	ng	828968	4	11.339	1304670	20.0
Cyclopenta(def)...	12.533	84.7	ng	5523770	4	11.339	1304670	20.0
Anthracene, 9-p...	14.851	33.0	ng	1971460	6	15.445	1193280	20.0
Benzo[e]pyrene	15.127	24.2	ng	1443680	6	15.445	1193280	20.0
Dinaphtho[1,2-b...	15.221	15.6	ng	928350	6	15.445	1193280	20.0