LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129562.D
Acq On : 04 Aug 2022 03:05
Operator : CG\JU
Sample : N4016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : MH-ES

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: BF129562.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.098	475	478	487	rVB	40548	46621	1.04%	0.092%
2	5.504	543	547	561	rBV	2840111	2562303	56.93%	5.065%
3	6.516	715	719	730	rBV	2655482	2317448	51.49%	4.581%
4	6.869	776	779	783	rBV	781617	593629	13.19%	1.173%
5	7.433	871	875	878	rBV	1743015	1423459	31.62%	2.814%
6	8.151	993	997	1000	rBV	838839	684806	15.21%	1.354%
7	9.227	1176	1180	1183	rBV	2838313	2271937	50.48%	4.491%
8	9.769	1269	1272	1277	rBV	247155	213027	4.73%	0.421%
9	9.910	1293	1296	1299	rBV	916711	706835	15.70%	1.397%
10	9.939	1299	1301	1305	rVB	123257	103121	2.29%	0.204%
11	10.022	1310	1315	1318	rBV4	56775	56471	1.25%	0.112%
12	10.110	1327	1330	1333	rBV2	51338	55789	1.24%	0.110%
13	10.457	1386	1389	1393	rVB	90125	85163	1.89%	0.168%
14	10.704	1427	1431	1434	rBV	1962980	1659463	36.87%	3.280%
15	11.004	1475	1482	1485	rBV4	42274	68338	1.52%	0.135%
16	11.133	1499	1504	1506	rBV3	50760	60064	1.33%	0.119%
17	11.204	1513	1516	1520	rVB	107258	94612	2.10%	0.187%
18	11.245	1520	1523	1527	rVV2	61579	91425	2.03%	0.181%
19	11.298	1529	1532	1537	rVB	100046	91913	2.04%	0.182%
20	11.398	1546	1549	1551	rBV	876362	794349	17.65%	1.570%
21	11.427	1551	1554	1557	rVV	2014567	1702707	37.83%	3.366%
22	11.474	1557	1562	1565	rVV	478764	418874	9.31%	0.828%
23	11.510	1565	1568	1574	rVB2	48633	66295	1.47%	0.131%
24	11.633	1584	1589	1594	rBV2	243646	271983	6.04%	0.538%
25	11.692	1597	1599	1603	rVV2	74758	56910	1.26%	0.112%
26	11.733	1603	1606	1610	rVB3	67157	66496	1.48%	0.131%
27	11.774	1610	1613	1617	rBV5	28406	45185	1.00%	0.089%
28	11.904	1629	1635	1637	rBV	310762	321268	7.14%	0.635%
29	11.927	1637	1639	1642	rVV	427357	369665	8.21%	0.731%
30	11.974	1642	1647	1650	rVV	140898	136838	3.04%	0.270%
31	12.016	1650	1654	1656	rBV	520889	534540	11.88%	1.057%
32	12.033	1656	1657	1662	rVB	207273	172282	3.83%	0.341%
33	12.080	1662	1665	1667	rBV2	75093	67241	1.49%	0.133%
34	12.198	1682	1685	1687	rBV	235778	196386	4.36%	0.388%
35	12.227	1687	1690	1694	rVB	287591	233592	5.19%	0.462%
36	12.345	1707	1710	1713	rVB2	89804	75145	1.67%	0.149%

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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-ES

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	12.374	1713	1715	1718	rBV	74304	60614	1.35%	0.120%
38	12.404	1718	1720	1722	rVB	78382	59659	1.33%	0.118%
39	12.451	1725	1728	1730	rBV	200795	215106	4.78%	0.425%
40	12.492	1733	1735	1737	rVV2	95618	86245	1.92%	0.170%
41	12.545	1740	1744	1748	rBV	331028	335028	7.44%	0.662%
42	12.621	1752	1757	1761	rBV	4286725	4222815	93.82%	8.347%
43	12.680	1765	1767	1770	rVB	121011	90989	2.02%	0.180%
44	12.710	1770	1772	1775	rBV	103008	86812	1.93%	0.172%
45	12.768	1775	1782	1785	rBV3	173186	285594	6.35%	0.565%
46	12.857	1789	1797	1800	rBV	3683363	4501067	100.00%	8.897%
47	12.892	1801	1803	1808	rVB2	197283	203967	4.53%	0.403%
48	12.986	1812	1819	1821	rBV	3102860	2826585	62.80%	5.587%
49	13.004	1821	1822	1826	rVB	272512	220901	4.91%	0.437%
50	13.068	1827	1833	1836	rBV3	292222	506547	11.25%	1.001%
51	13.098	1836	1838	1840	rBV	71662	50947	1.13%	0.101%
52	13.151	1843	1847	1848	rBV3	265520	294630	6.55%	0.582%
53	13.174	1848	1851	1854	rVB	403222	407991	9.06%	0.806%
54	13.204	1854	1856	1859	rBV2	67387	65171	1.45%	0.129%
55	13.239	1859	1862	1864	rBV	187027	148210	3.29%	0.293%
56	13.280	1864	1869	1871	rBV2	397190	456135	10.13%	0.902%
57	13.304	1871	1873	1876	rVB	122164	102562	2.28%	0.203%
58	13.333	1876	1878	1880	rVB	78730	55552	1.23%	0.110%
59	13.374	1880	1885	1887	rBV2	228797	279560	6.21%	0.553%
60	13.404	1887	1890	1893	rBV2	234840	224554	4.99%	0.444%
61	13.545	1912	1914	1917	rBV4	84835	122843	2.73%	0.243%
62	13.686	1935	1938	1942	rVB	527372	481437	10.70%	0.952%
63	13.792	1953	1956	1959	rBV2	396055	430660	9.57%	0.851%
64	13.821	1959	1961	1964	rVV	366862	338331	7.52%	0.669%
65	13.851	1964	1966	1970	rVV2	326816	503473	11.19%	0.995%
66	13.892	1970	1973	1977	rVB	559560	567348	12.60%	1.121%
67	14.039	1992	1998	2002	rBV2	2046310	3133758	69.62%	6.195%
68	14.074	2002	2004	2012	rVB	1842778	1733393	38.51%	3.426%
69	14.157	2015	2018	2021	rBV	210620	197538	4.39%	0.390%
70	14.192	2022	2024	2026	rBV2	98632	88378	1.96%	0.175%
71	14.274	2034	2038	2041	rVB2	157742	214313	4.76%	0.424%
72	14.304	2041	2043	2046	rVB2	87249	82242	1.83%	0.163%
73	14.433	2062	2065	2068	rVB	358002	286562	6.37%	0.566%
74	14.468	2068	2071	2073	rBV	148344	123068	2.73%	0.243%
75	14.557	2084	2086	2088	rBV2	126386	116787	2.59%	0.231%
76	14.745	2116	2118	2121	rBV2	104993	112052	2.49%	0.221%

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77	15.104	2174	2179	2182	rBV	1412021	2219002	49.30%	4.386%
78	15.209	2194	2197	2203	rBV	278098	310095	6.89%	0.613%
79	15.409	2227	2231	2238	rVB	768098	1017234	22.60%	2.011%
80	15.474	2238	2242	2247	rBV	1081407	1341476	29.80%	2.652%
81	15.539	2249	2253	2255	rVV	414257	520625	11.57%	1.029%
82	15.568	2255	2258	2265	rVB2	336981	481634	10.70%	0.952%
83	17.045	2504	2509	2517	rVB2	493212	939581	20.87%	1.857%
84	17.503	2582	2587	2598	rVB	347928	723849	16.08%	1.431%

Sum of corrected areas: 50589100

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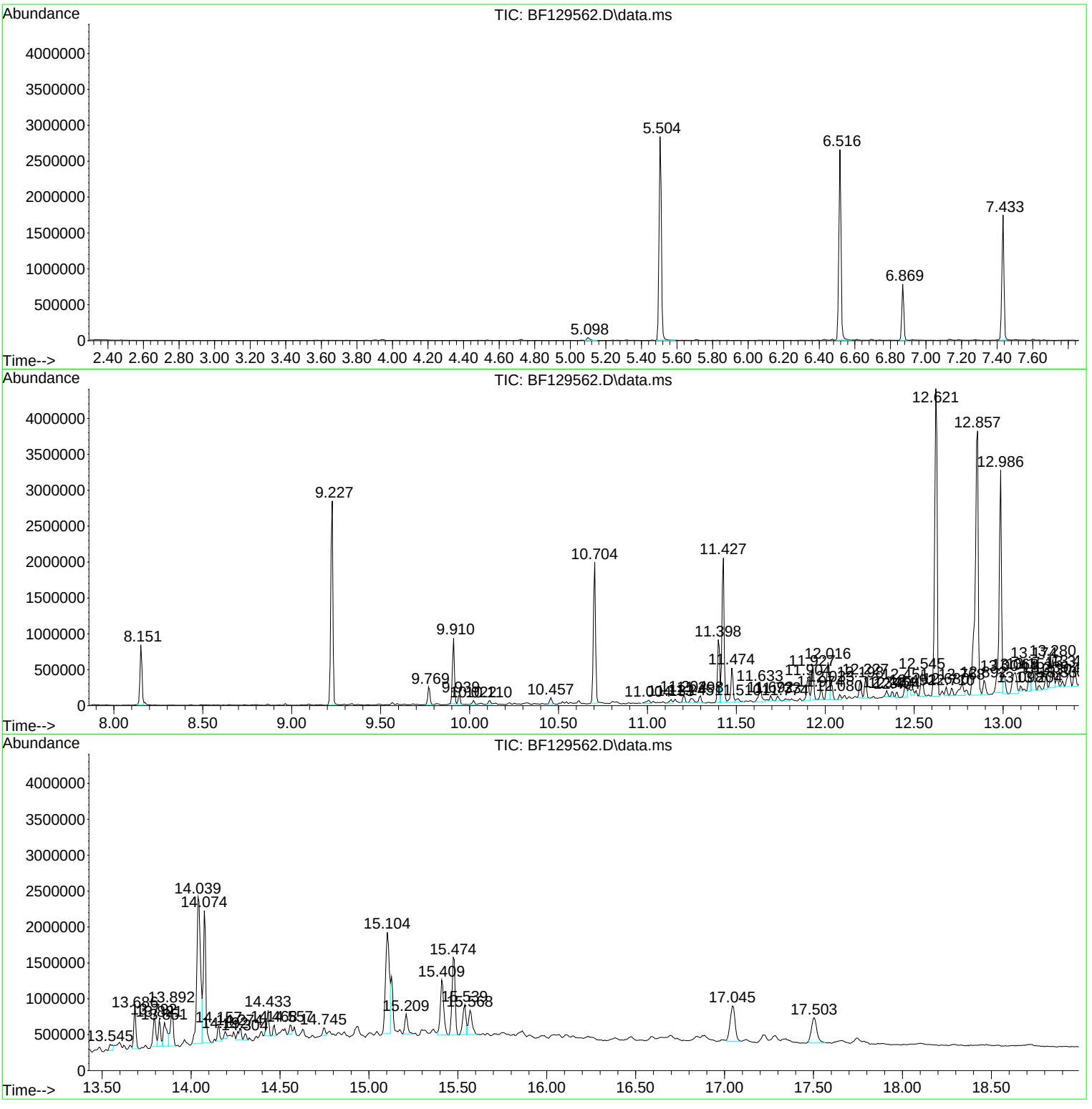
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
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Instrument :
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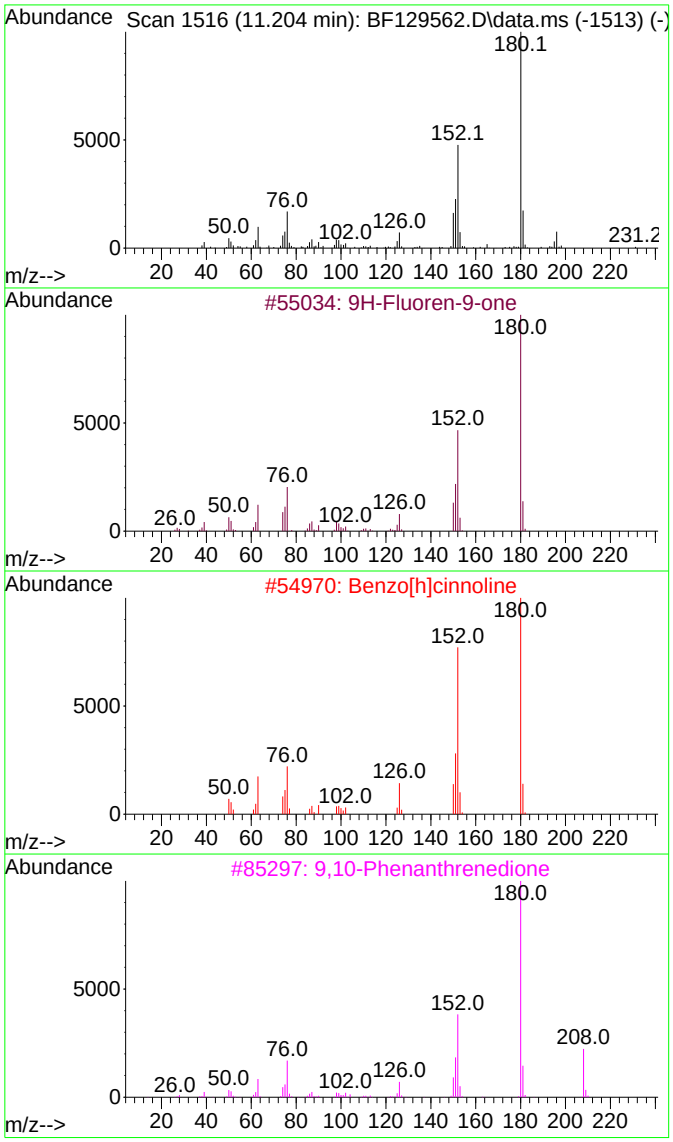
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

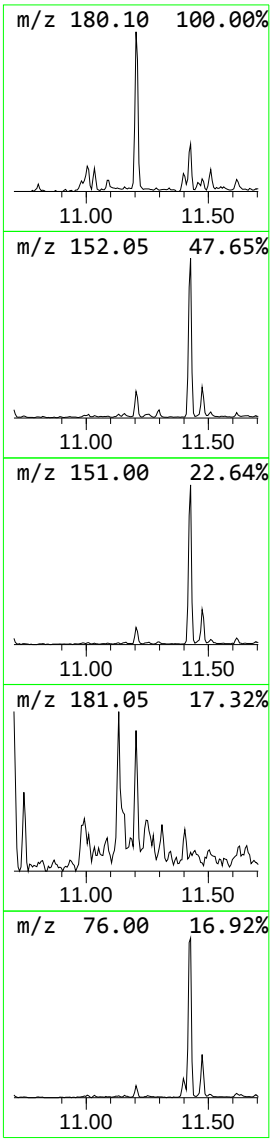
****

Peak Number 1 9H-Fluoren-9-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.204	2.38 ng	94612	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	90
4	Diphenic anhydride	224	C14H8O3	006050-13-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
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ClientSampleId :
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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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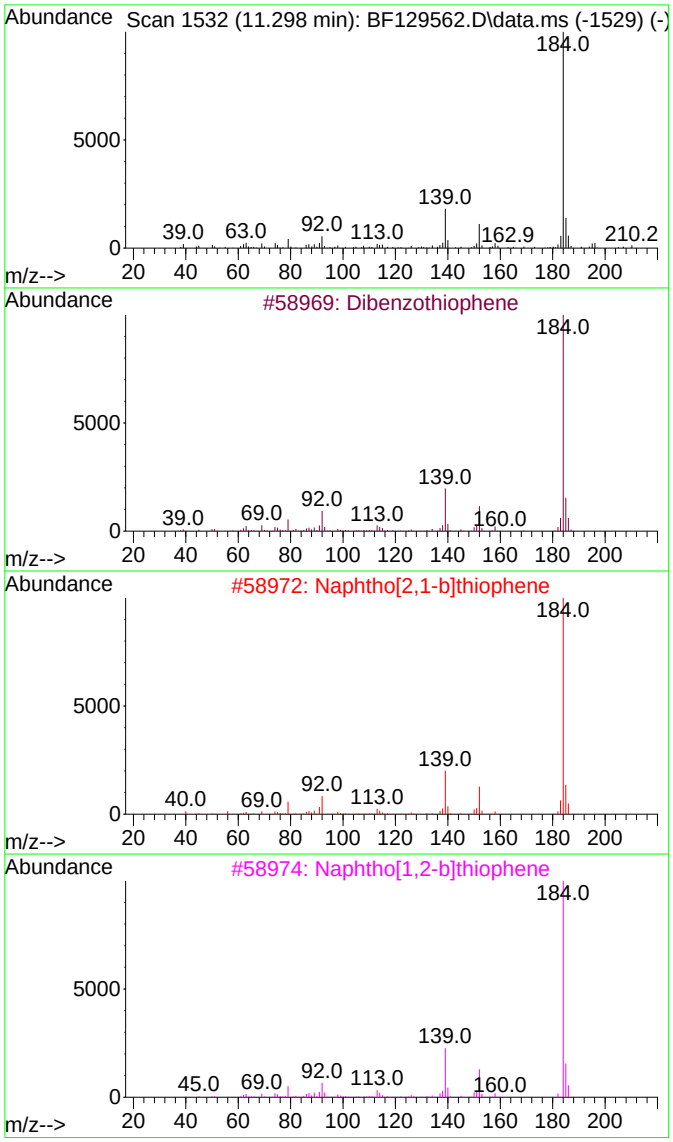
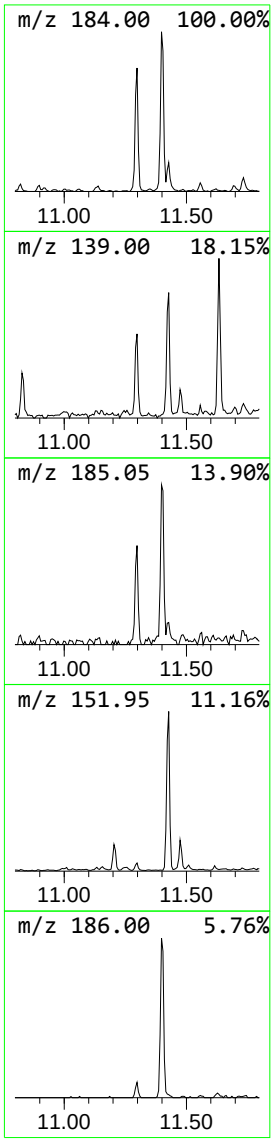
Peak Number 2 Dibenzothiophene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.298	2.31 ng	91913	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzothiophene	184	C12H8S	000132-65-0	95
2	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	95
3	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	93
4	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	93
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	91





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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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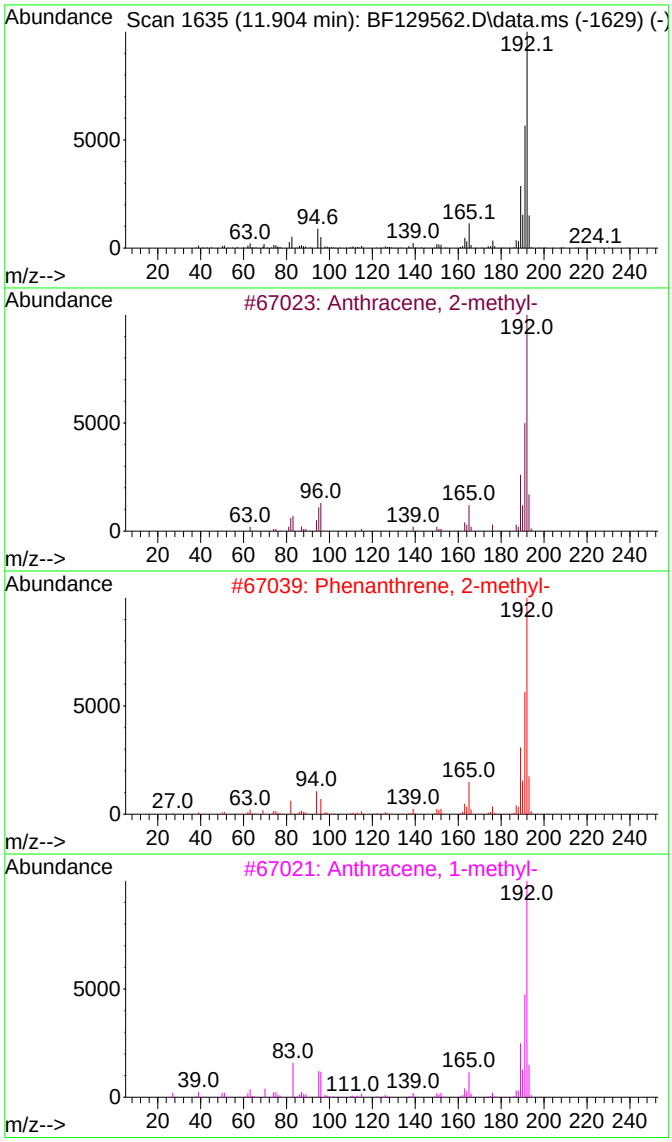
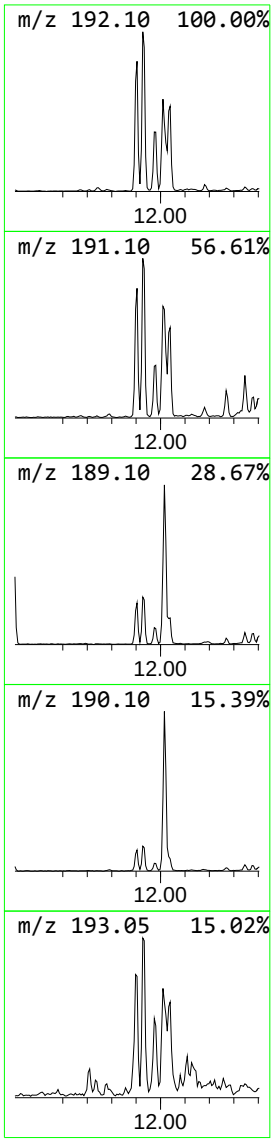
Peak Number 3 Anthracene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	8.09 ng	321268	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





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Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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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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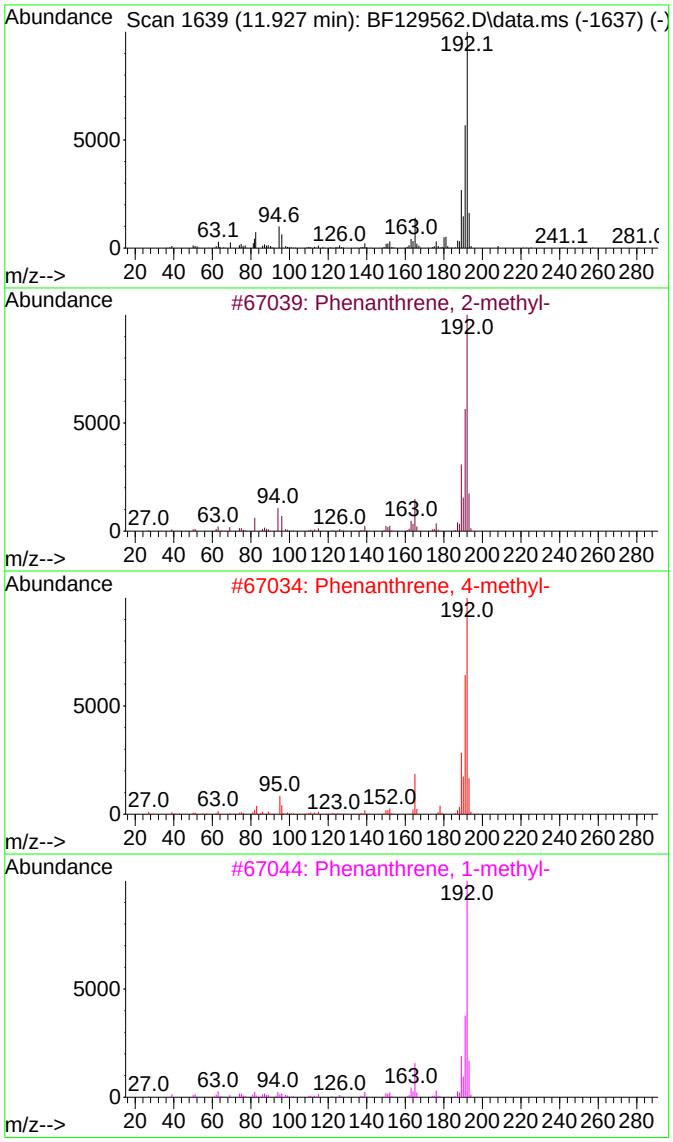
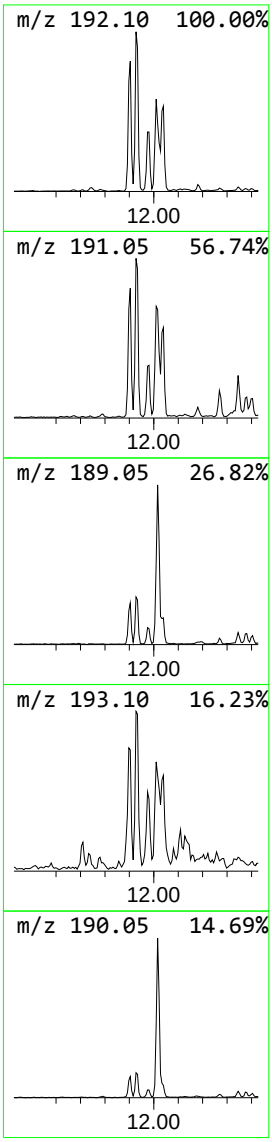
Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	9.31 ng	369665	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	95
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	94
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	94





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Data File : BF129562.D
Acq On : 04 Aug 2022 03:05
Operator : CG\JU
Sample : N4016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-ES

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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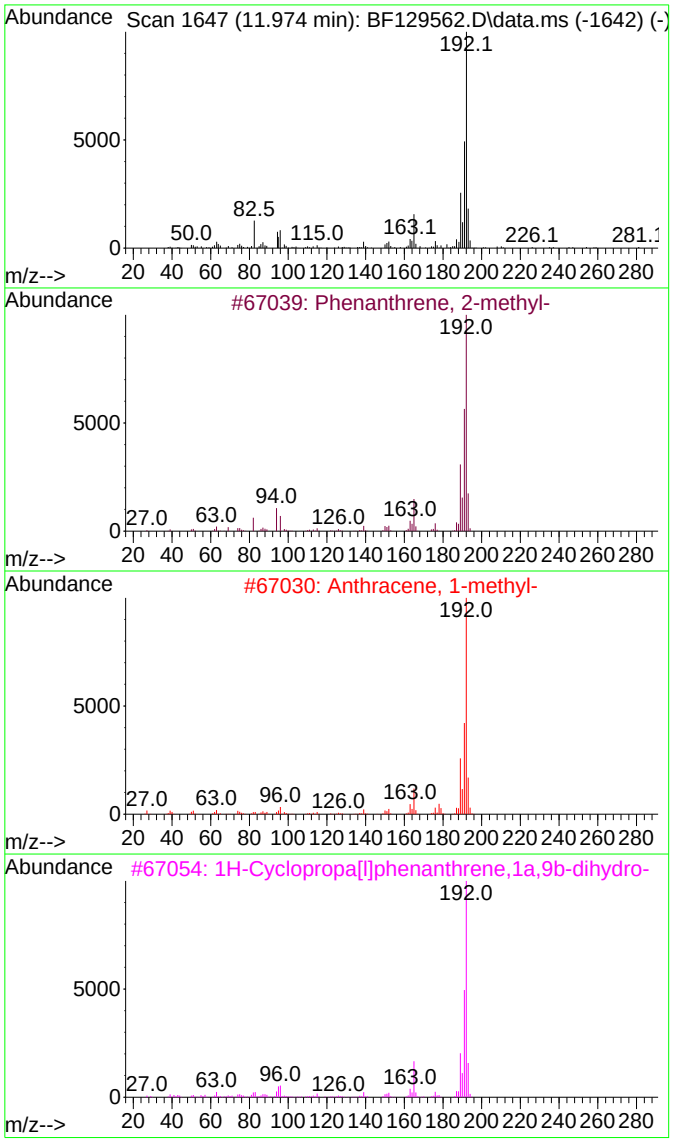
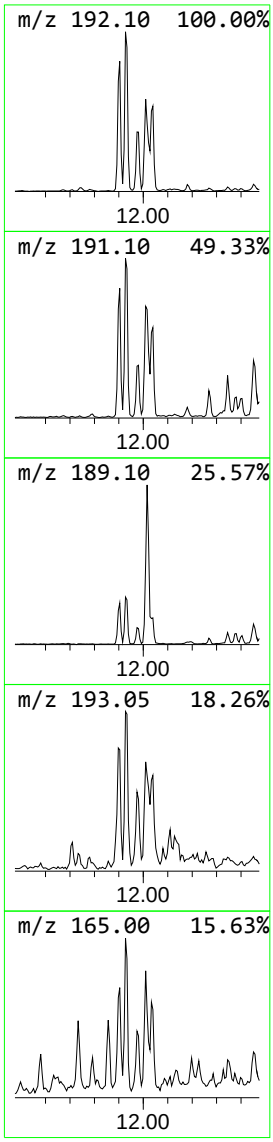
Peak Number 5 Anthracene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.974	3.45 ng	136838	Phenanthrene-d10	11.398

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





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Data File : BF129562.D
Acq On : 04 Aug 2022 03:05
Operator : CG\JU
Sample : N4016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

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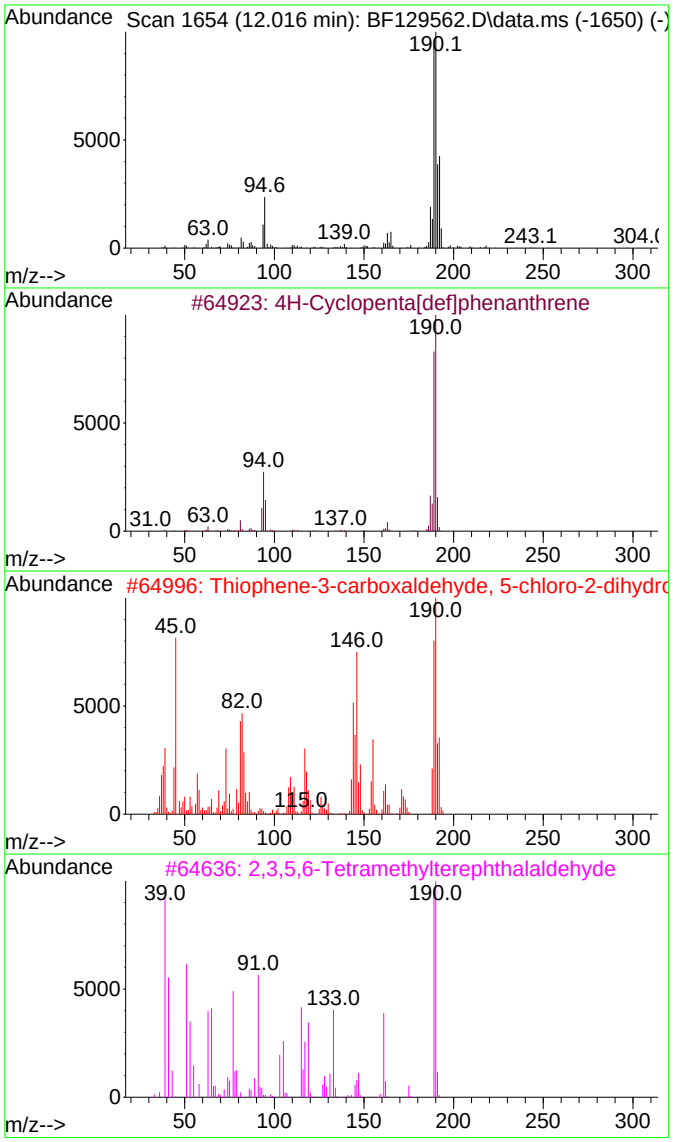
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072522.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

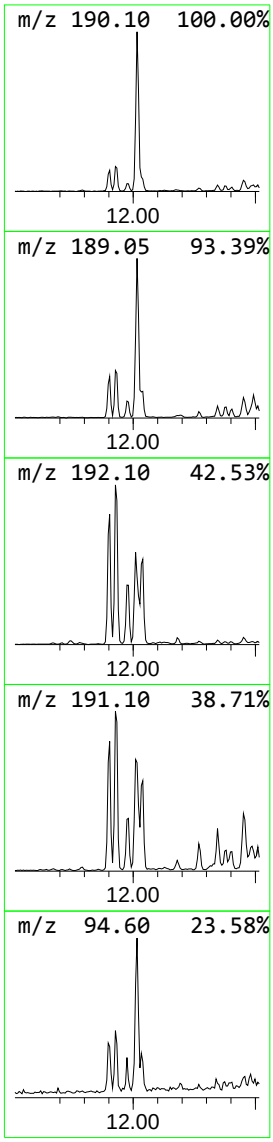
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.016	13.46 ng	534540	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	92
2	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	50
3	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	43
4	Methyl diselenide	190	C2H6Se2	007101-31-7	43
5	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	37





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Sample : N4016-04
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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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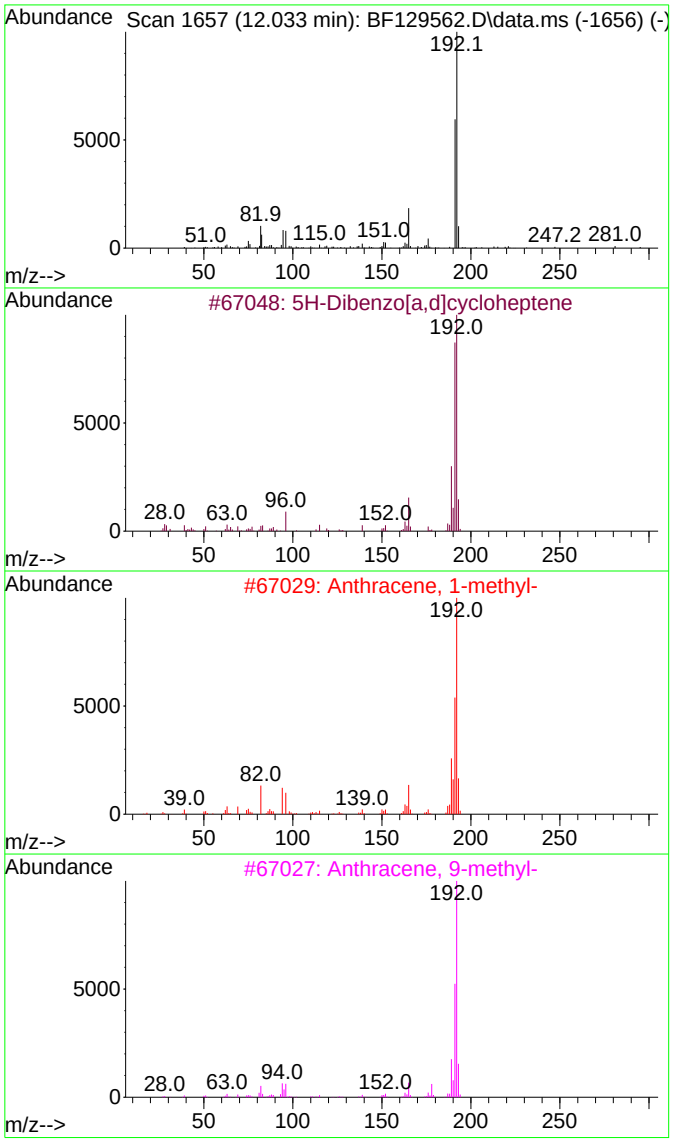
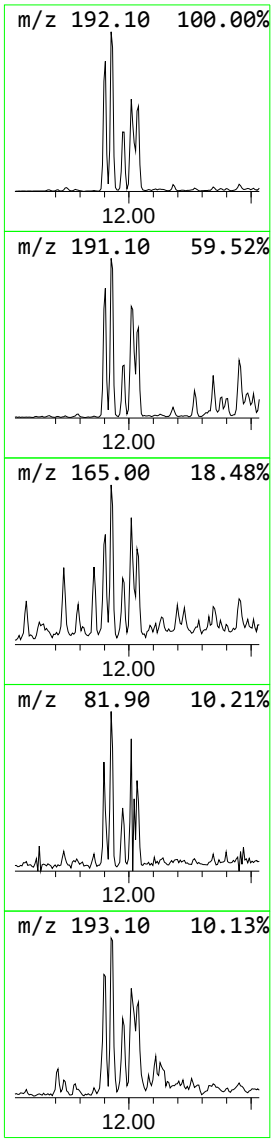
Peak Number 7 5H-Dibenzo[a,d]cycloheptene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	4.34 ng	172282	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	83
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	80
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	74
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	72
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	72





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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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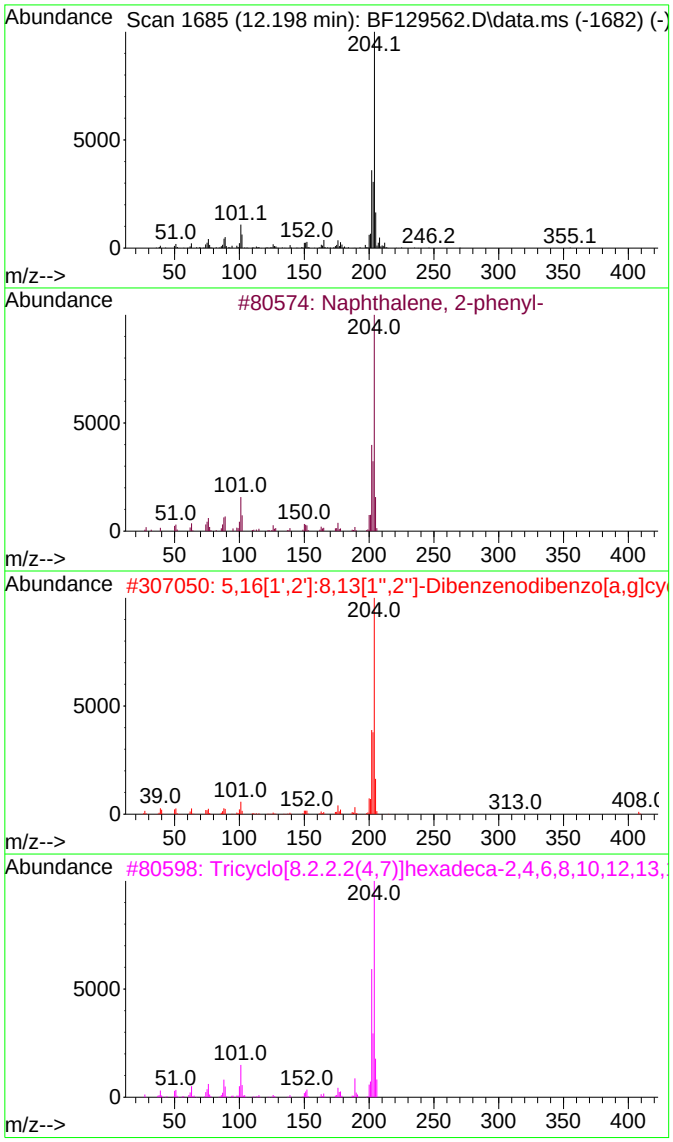
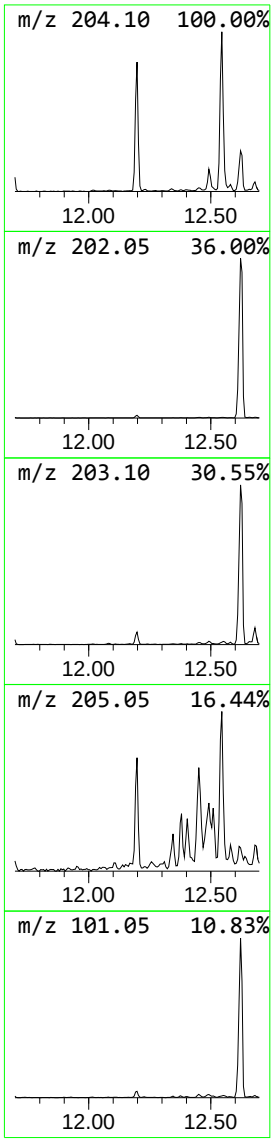
Peak Number 8 Naphthalene, 2-phenyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.198	4.94 ng	196386	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	95
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	81
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	60
5	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	58





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

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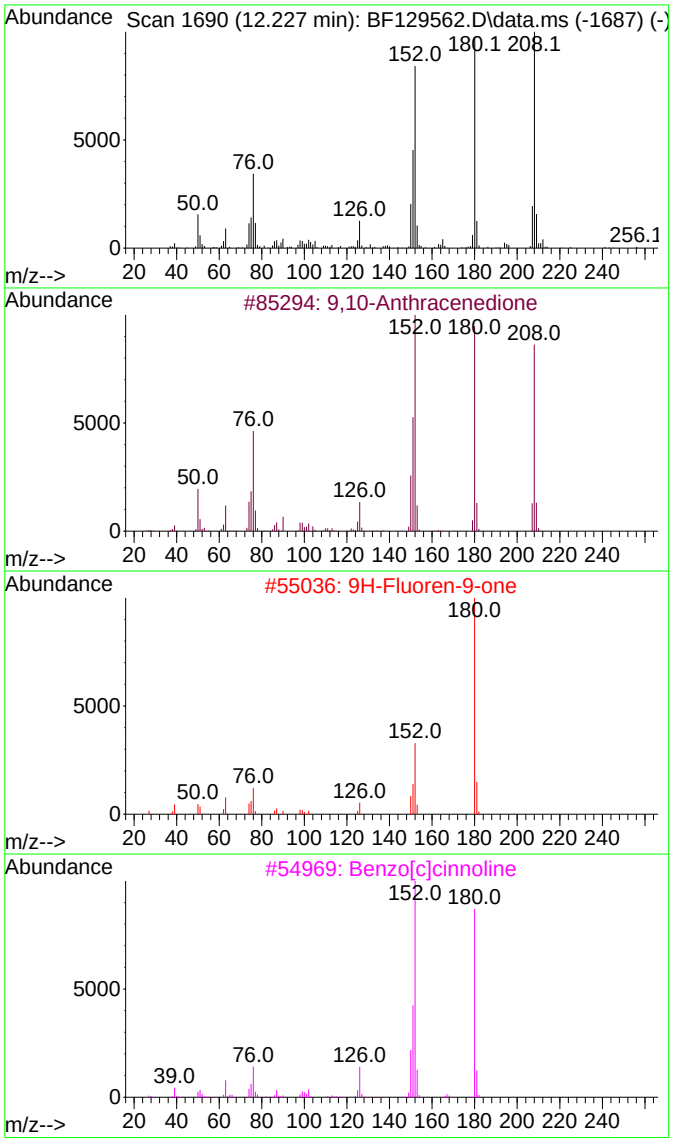
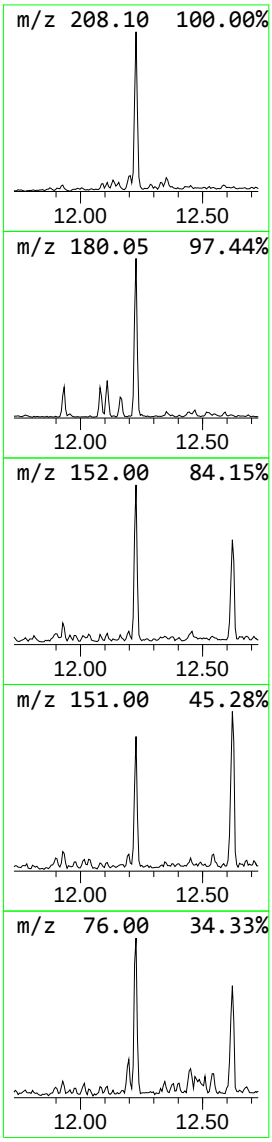
Peak Number 9 9,10-Anthracenedione Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.227	5.88 ng	233592	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	90
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	60
5	5,6-Dimethyl-1,10-phenanthroline	208	C14H12N2	003002-81-1	58





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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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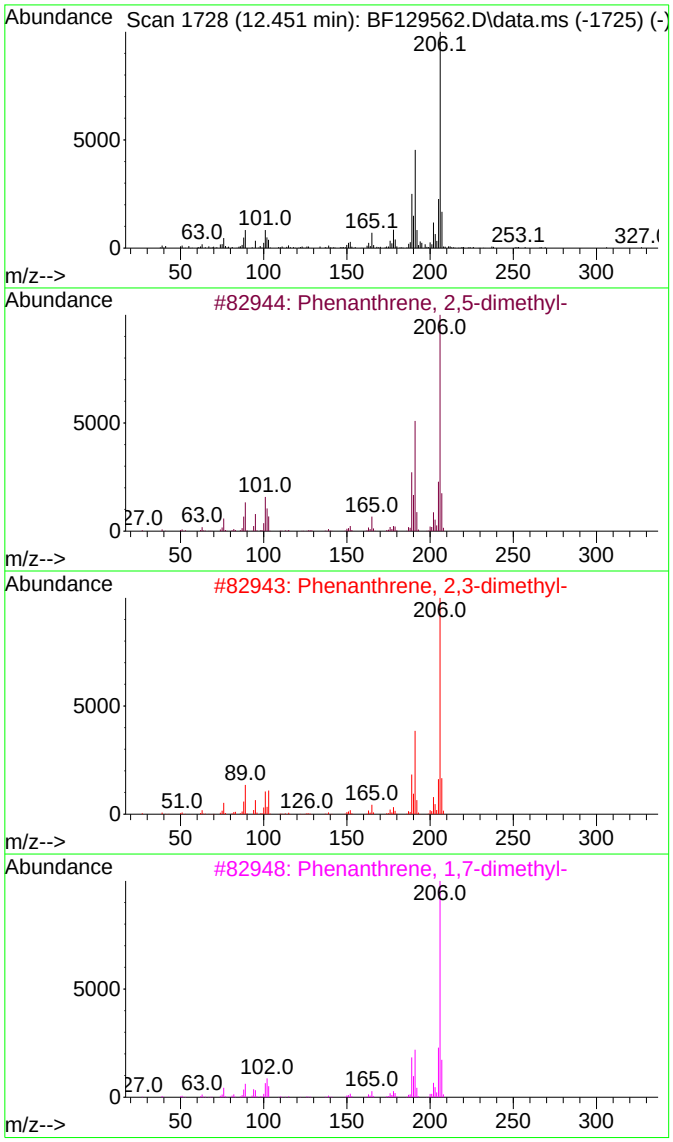
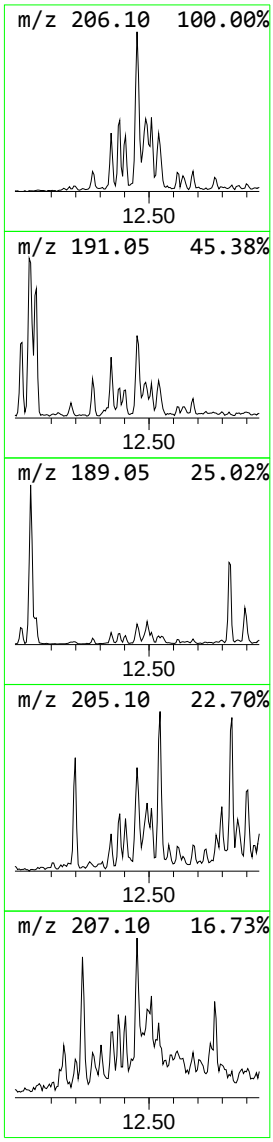
Peak Number 10 Phenanthrene, 2,5-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.451	5.42 ng	215106	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	90
4	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	87
5	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	86





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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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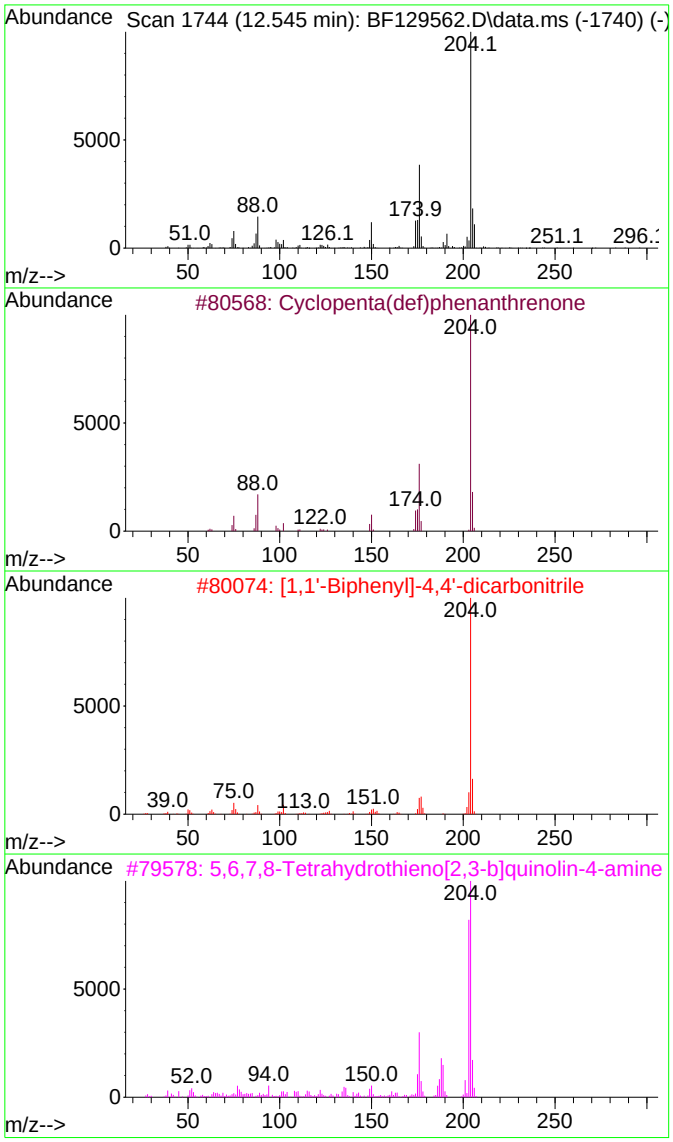
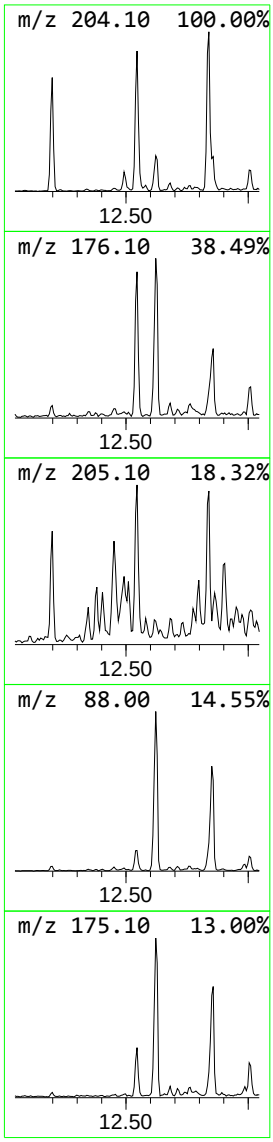
Peak Number 11 Cyclopenta(def)phenanthrenone Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	8.44 ng	335028	Phenanthrene-d10	11.398

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	58
3	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	50
4	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	46
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





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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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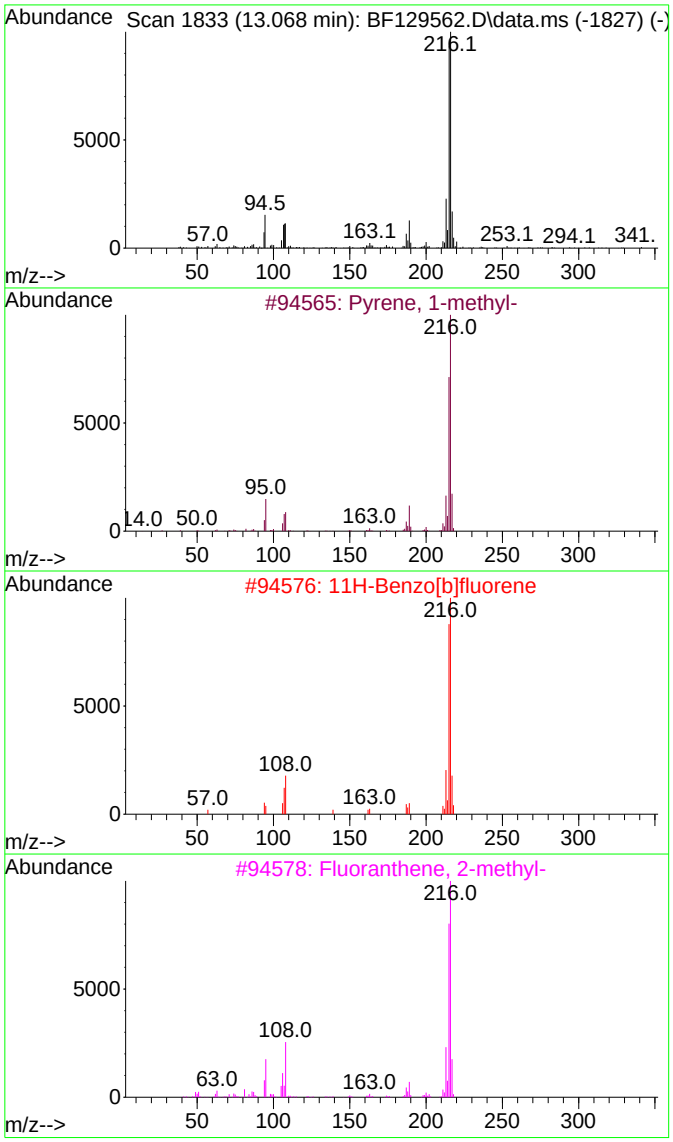
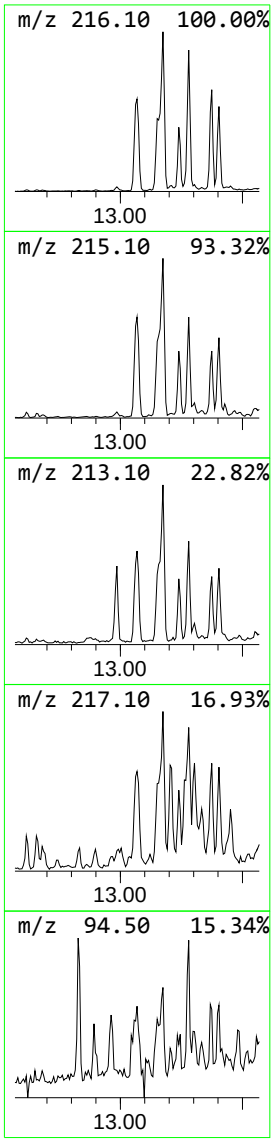
Peak Number 12 Pyrene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.068	3.23 ng	506547	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	90
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81
5	Pyrene, 4-methyl-	216	C17H12	003353-12-6	60





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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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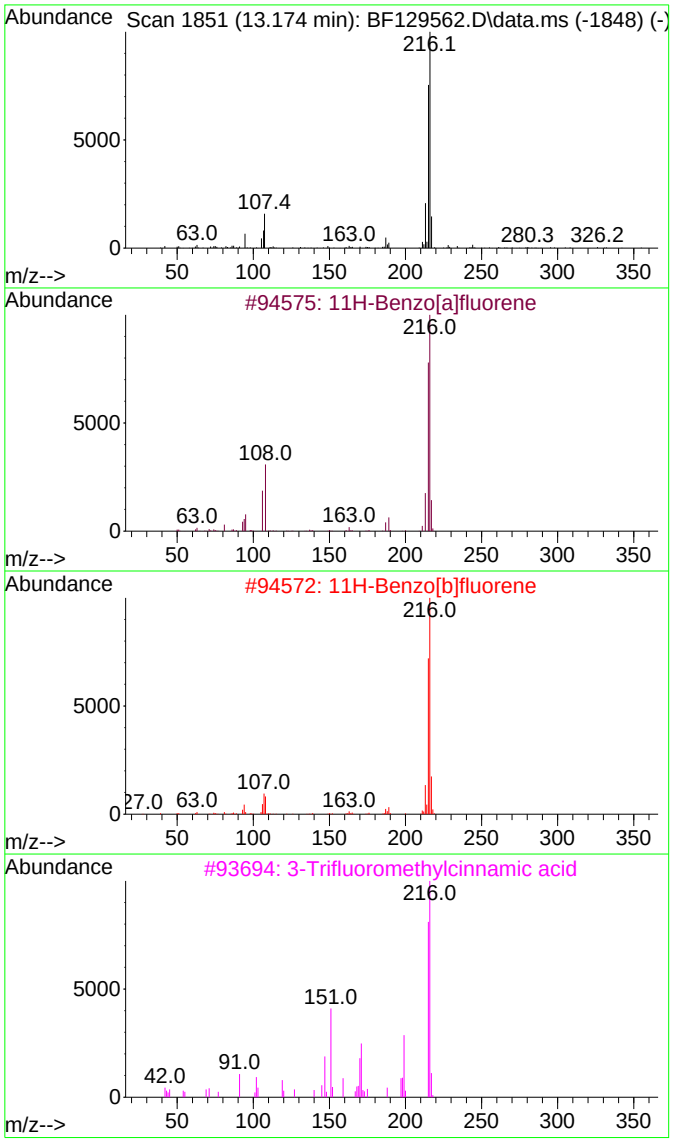
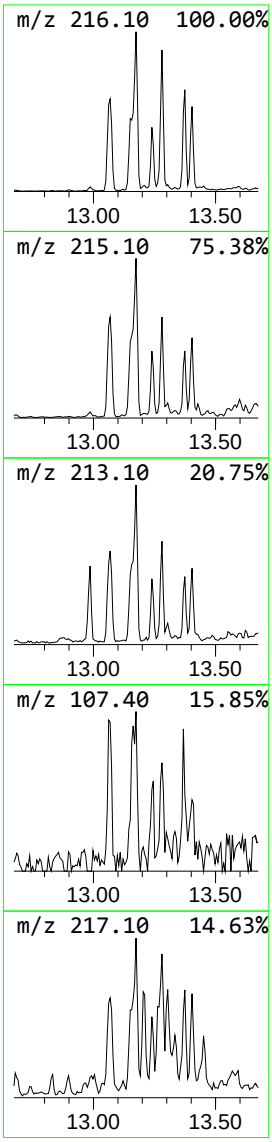
Peak Number 13 11H-Benzo[a]fluorene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.174	2.60 ng	407991	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	83
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	80
3	3-Trifluoromethylcinnamic acid	216	C10H7F3O2	000779-89-5	64
4	1,3,5-Triazine-2,4,6-triamine, N...	216	C10H12N6	046731-79-7	59
5	.beta.-Carboline, 1,2,3,4-tetrah...	260	C14H16N2O3	029573-11-3	56





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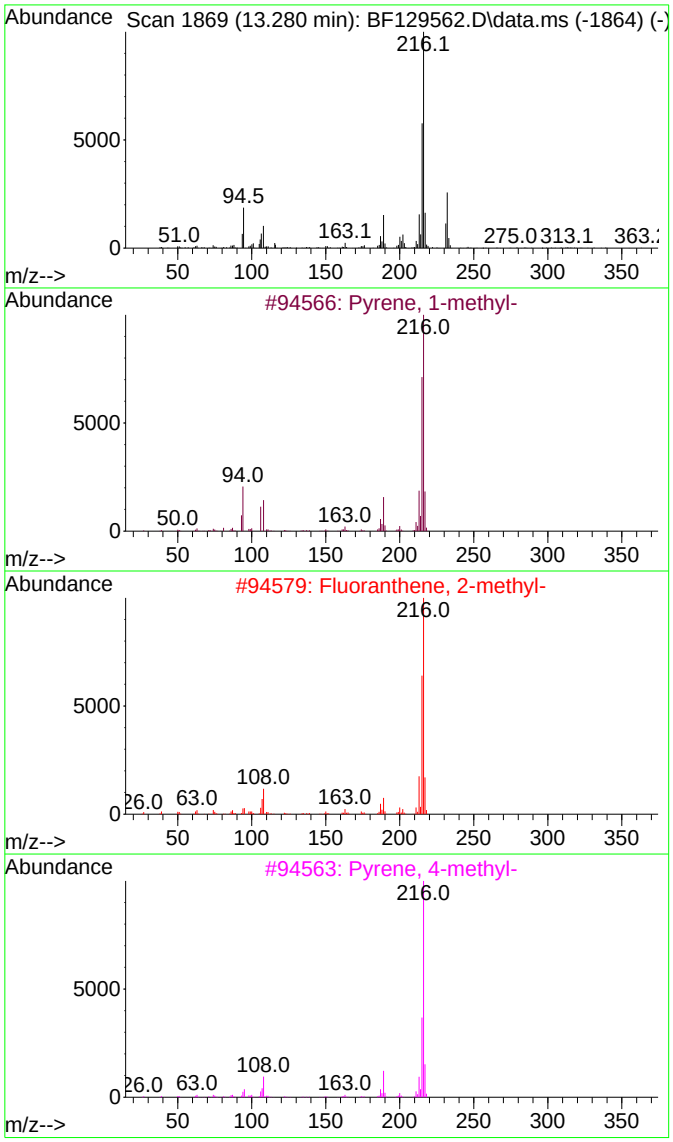
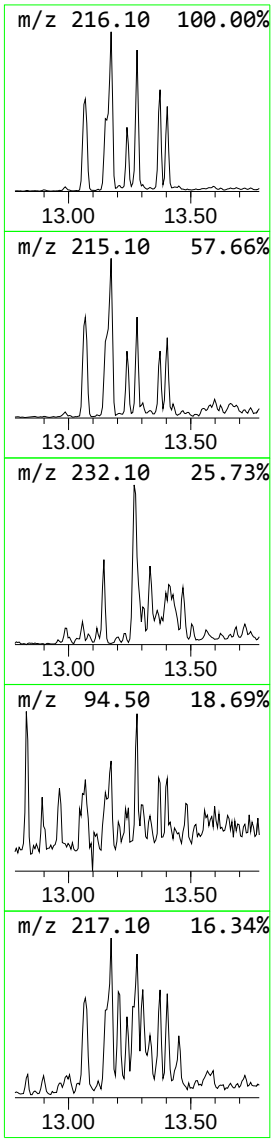
Peak Number 14 Fluoranthene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	2.91 ng	456135	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	92
3	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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

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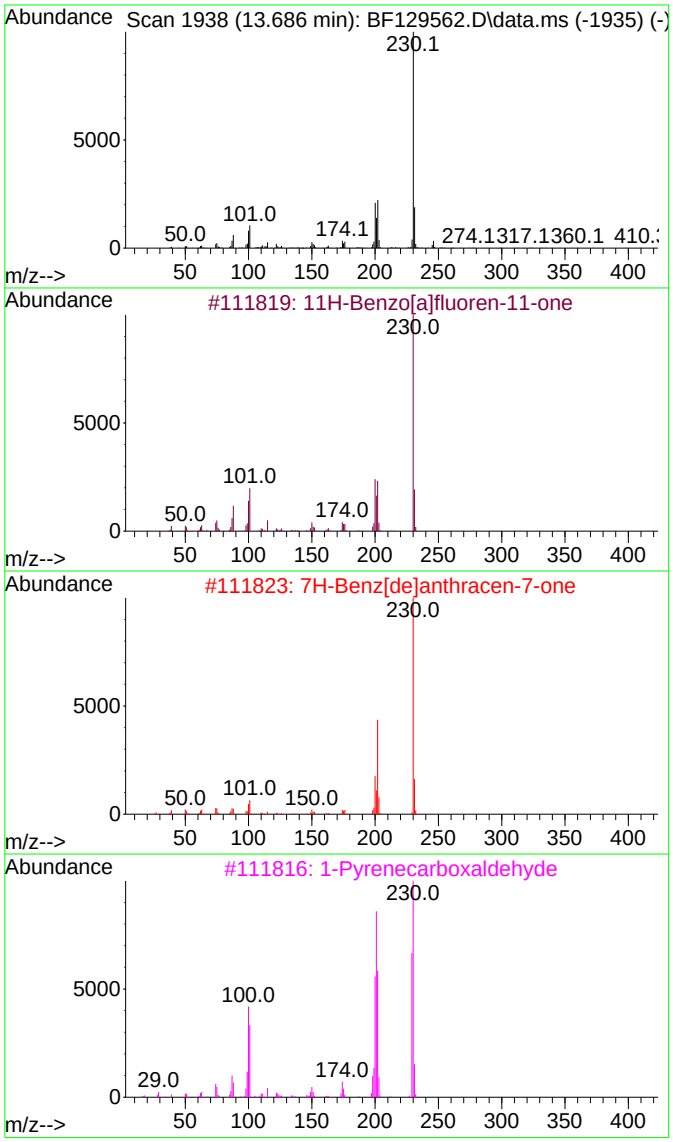
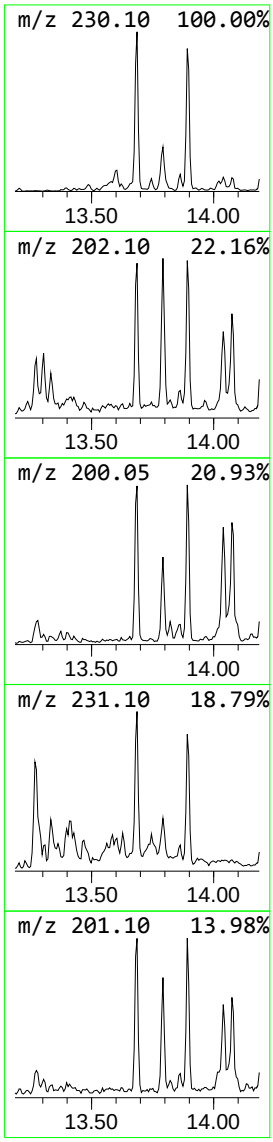
Peak Number 15 11H-Benzo[a]fluoren-11-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.686	3.07 ng	481437	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	64
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64





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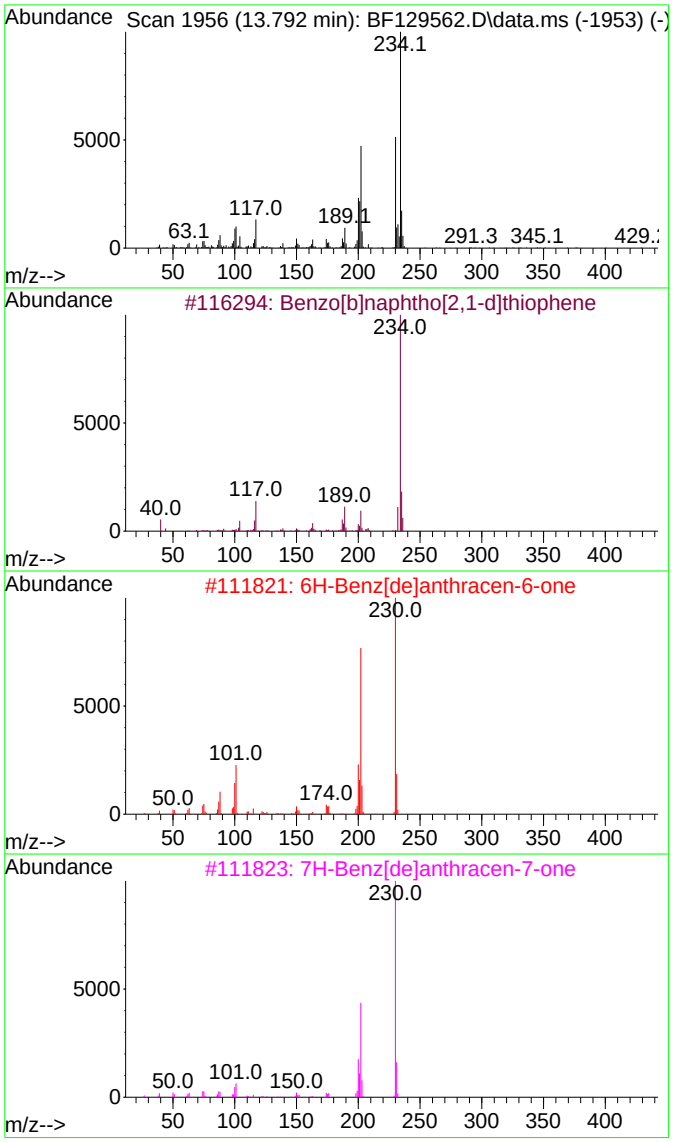
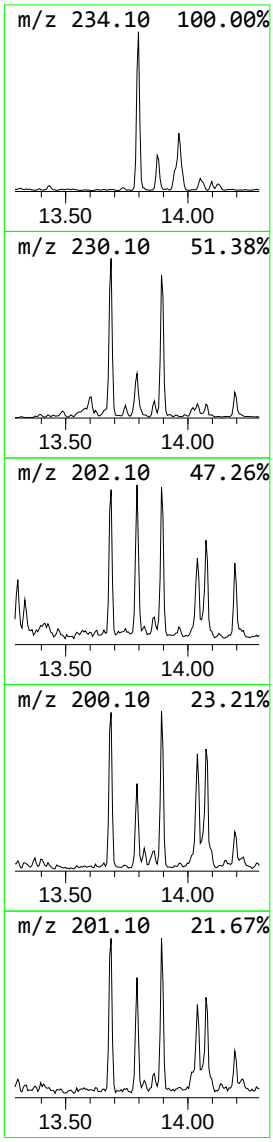
Peak Number 16 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.792	2.75 ng	430660	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	86
2	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	86
3	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	84
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	60
5	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	41





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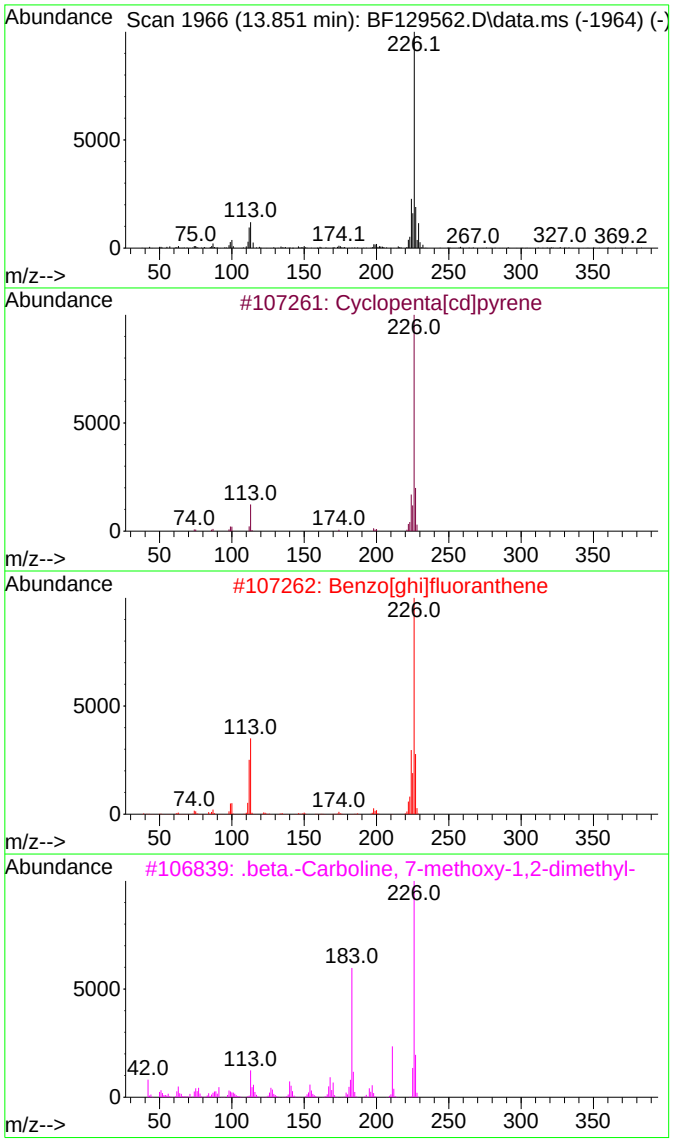
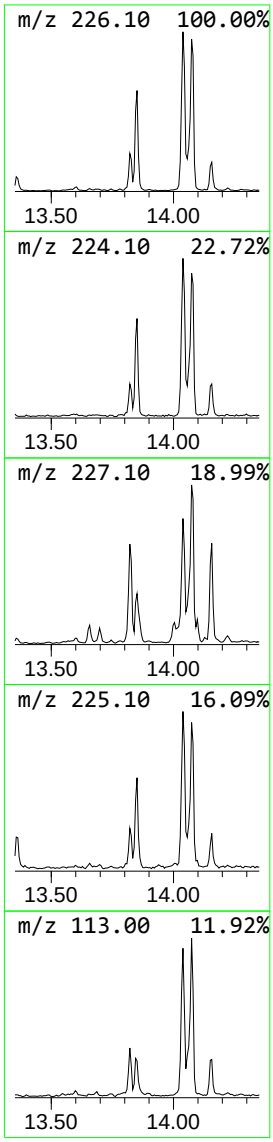
Peak Number 17 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.851	3.21 ng	503473	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	92
2	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	76
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	52
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	52
5	Benzene, 1-bromo-2,6-dichloro-	224	C6H3BrCl2	019393-92-1	45





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129562.D
Acq On : 04 Aug 2022 03:05
Operator : CG\JU
Sample : N4016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-ES

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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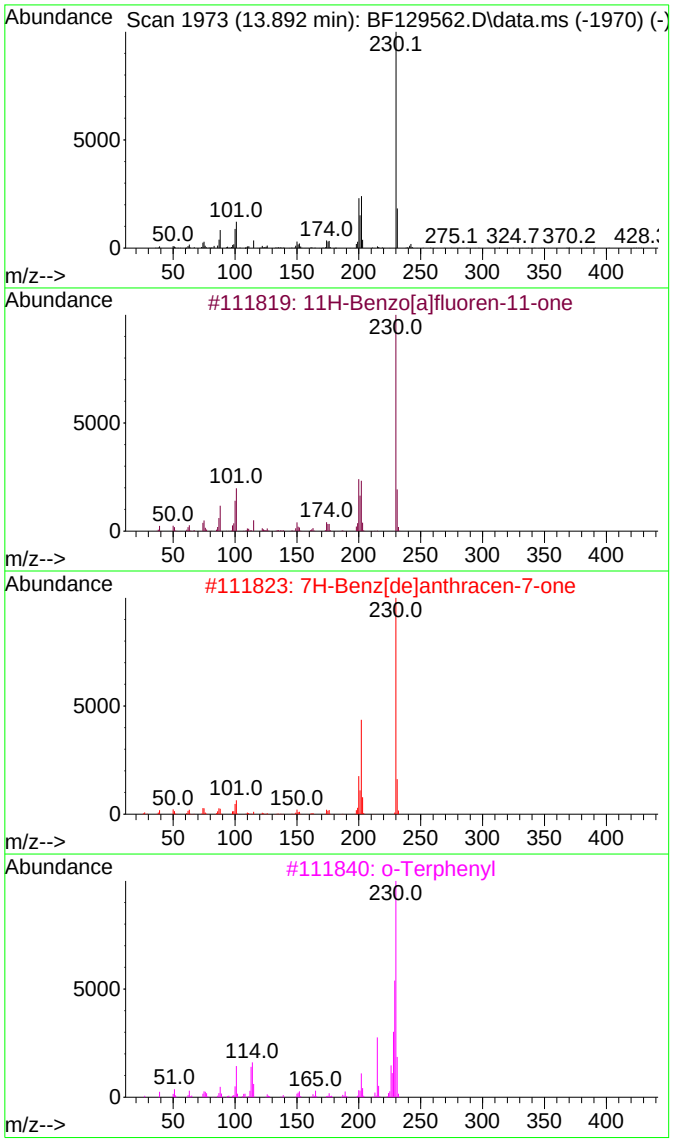
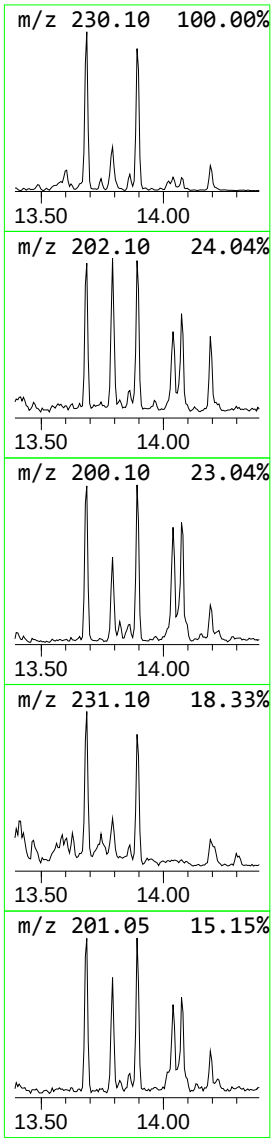
Peak Number 18 7H-Benz[de]anthracen-7-one Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.892	3.62 ng	567348	Chrysene-d12	14.051

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	91
3	o-Terphenyl	230	C18H14	000084-15-1	64
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	64
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129562.D
Acq On : 04 Aug 2022 03:05
Operator : CG\JU
Sample : N4016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-ES

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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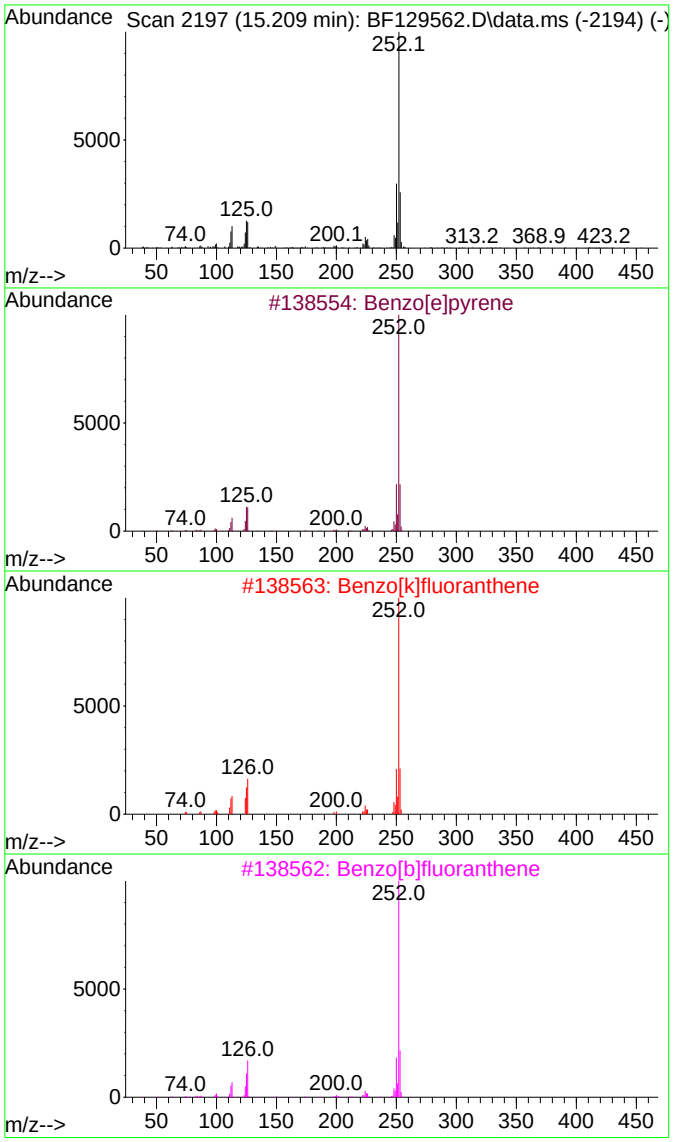
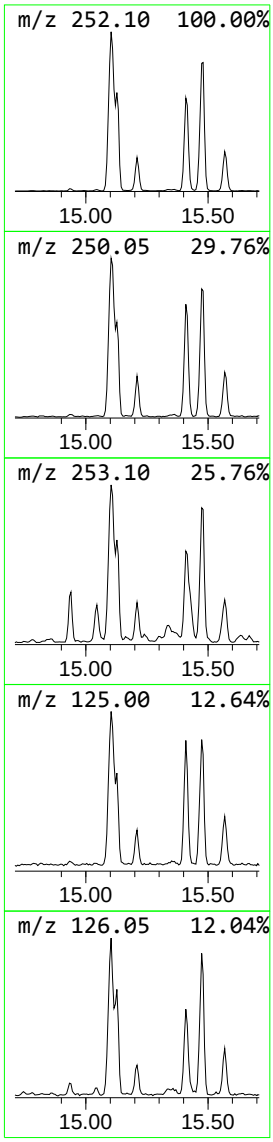
Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.210	11.91 ng	310095	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	96
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	89





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129562.D
Acq On : 04 Aug 2022 03:05
Operator : CG\JU
Sample : N4016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-ES

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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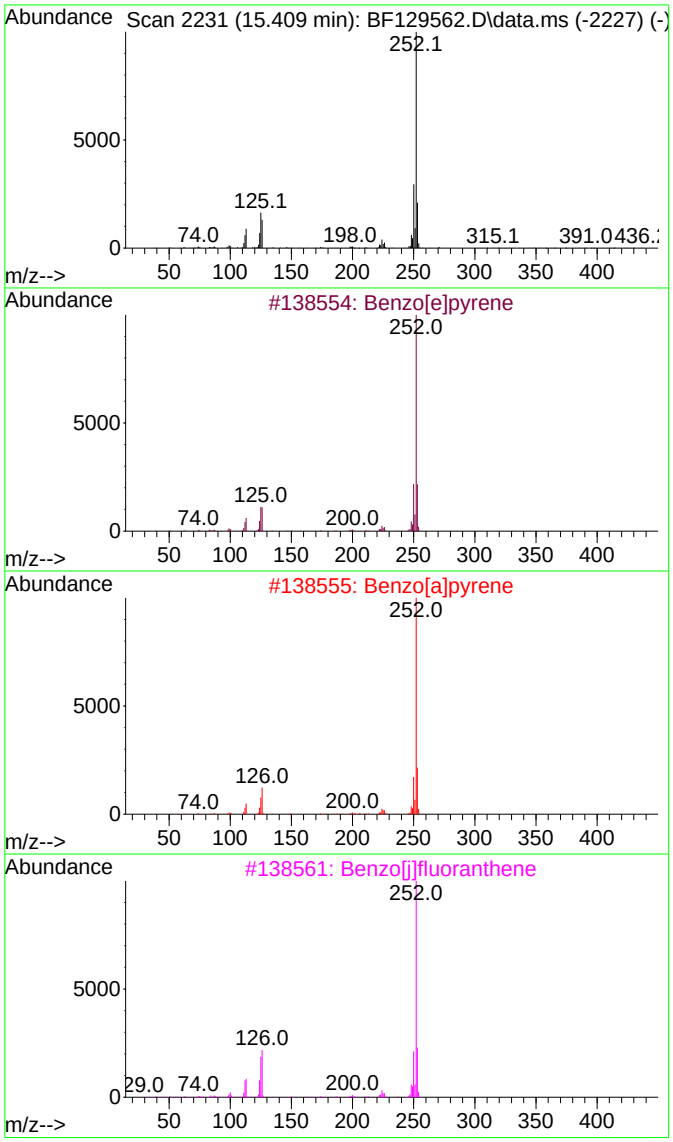
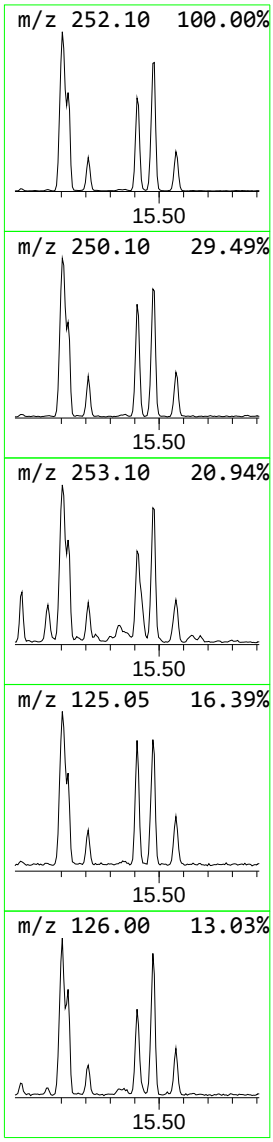
Peak Number 20 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.409	39.08 ng	1017230	Perylene-d12	15.539

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[a]pyrene	252	C20H12	000050-32-8	96
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF080322\
Data File : BF129562.D
Acq On : 04 Aug 2022 03:05
Operator : CG\JU
Sample : N4016-04
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
MH-ES

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
9H-Fluoren-9-one	11.204	2.4	ng	94612	4	11.398	794349	20.0
Dibenzothiophene	11.298	2.3	ng	91913	4	11.398	794349	20.0
Anthracene, 2-m...	11.904	8.1	ng	321268	4	11.398	794349	20.0
Phenanthrene, 2...	11.927	9.3	ng	369665	4	11.398	794349	20.0
Anthracene, 1-m...	11.974	3.5	ng	136838	4	11.398	794349	20.0
4H-Cyclopenta[d...	12.016	13.5	ng	534540	4	11.398	794349	20.0
5H-Dibenzo[a,d]...	12.033	4.3	ng	172282	4	11.398	794349	20.0
Naphthalene, 2-...	12.198	4.9	ng	196386	4	11.398	794349	20.0
9,10-Anthracene...	12.227	5.9	ng	233592	4	11.398	794349	20.0
Phenanthrene, 2...	12.451	5.4	ng	215106	4	11.398	794349	20.0
Cyclopenta(def)...	12.545	8.4	ng	335028	4	11.398	794349	20.0
Pyrene, 1-methyl-	13.068	3.2	ng	506547	5	14.051	3133760	20.0
11H-Benzo[a]flu...	13.174	2.6	ng	407991	5	14.051	3133760	20.0
Fluoranthene, 2...	13.280	2.9	ng	456135	5	14.051	3133760	20.0
11H-Benzo[a]flu...	13.686	3.1	ng	481437	5	14.051	3133760	20.0
Benzo[b]naphtho...	13.792	2.8	ng	430660	5	14.051	3133760	20.0
Cyclopenta[cd]p...	13.851	3.2	ng	503473	5	14.051	3133760	20.0
7H-Benz[de]anth...	13.892	3.6	ng	567348	5	14.051	3133760	20.0
Benzo[e]pyrene	15.210	11.9	ng	310095	6	15.539	520625	20.0
Benzo[j]fluoran...	15.409	39.1	ng	1017230	6	15.539	520625	20.0