LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : WG-0516-B3-0-10

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF133428.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.881	472	475	487	rBV	176077	180444	4.71%	0.367%
2	5.322	546	550	561	rBV	1029104	977956	25.50%	1.987%
3	6.357	722	726	737	rBV	1084351	990233	25.82%	2.011%
4	6.710	783	786	790	rBV	1626420	1339000	34.92%	2.720%
5	7.275	878	882	890	rBV	714881	603135	15.73%	1.225%
6	7.998	1001	1005	1007	rBV	2386994	1824435	47.58%	3.706%
7	8.016	1007	1008	1013	rVB	150301	109733	2.86%	0.223%
8	9.069	1184	1187	1196	rBV	1580949	1314374	34.28%	2.670%
9	9.610	1276	1279	1287	rVB	261013	203296	5.30%	0.413%
10	9.751	1299	1303	1306	rBV	2600482	2003374	52.24%	4.069%
11	9.780	1306	1308	1312	rVB	145320	112318	2.93%	0.228%
12	9.957	1334	1338	1342	rBV	107298	104758	2.73%	0.213%
13	10.298	1393	1396	1401	rVB	166300	166525	4.34%	0.338%
14	10.363	1401	1407	1409	rBV	37534	50875	1.33%	0.103%
15	10.457	1420	1423	1428	rVB2	102721	104903	2.74%	0.213%
16	10.539	1433	1437	1442	rBV	604694	584133	15.23%	1.187%
17	10.845	1482	1489	1492	rBV3	67258	98395	2.57%	0.200%
18	10.975	1505	1511	1513	rBV2	77211	86697	2.26%	0.176%
19	11.039	1520	1522	1526	rVB	130286	108249	2.82%	0.220%
20	11.086	1526	1530	1533	rVV2	60882	77161	2.01%	0.157%
21	11.127	1535	1537	1543	rVB	111057	106398	2.77%	0.216%
22	11.233	1551	1555	1557	rBV	1580953	1324206	34.53%	2.690%
23	11.257	1557	1559	1563	rVV	2240567	1891620	49.33%	3.842%
24	11.310	1563	1568	1571	rVV	426057	383087	9.99%	0.778%
25	11.345	1571	1574	1577	rVB	73931	69064	1.80%	0.140%
26	11.469	1589	1595	1597	rBV2	215034	236371	6.16%	0.480%
27	11.527	1602	1605	1609	rVV2	88083	82903	2.16%	0.168%
28	11.569	1609	1612	1616	rVB4	60059	62214	1.62%	0.126%
29	11.733	1635	1640	1643	rBV	286131	285807	7.45%	0.581%
30	11.763	1643	1645	1650	rVV	418827	371431	9.69%	0.754%
31	11.810	1650	1653	1656	rVV	146319	116977	3.05%	0.238%
32	11.845	1656	1659	1662	rVV2	454411	488036	12.73%	0.991%
33	11.869	1662	1663	1668	rVB	229243	146867	3.83%	0.298%
34	11.916	1668	1671	1673	rBV3	53501	49973	1.30%	0.102%
35	12.033	1688	1691	1693	rBV	262662	228468	5.96%	0.464%
36	12.057	1693	1695	1699	rVB	296585	218406	5.70%	0.444%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

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-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.180	1711	1716	1719	rBV2	92847	108798	2.84%	0.221%
38	12.210	1719	1721	1723	rVV	72482	56314	1.47%	0.114%
39	12.233	1723	1725	1728	rVB	71968	62819	1.64%	0.128%
40	12.286	1728	1734	1737	rBV	180333	237269	6.19%	0.482%
41	12.321	1737	1740	1742	rVV2	107463	124964	3.26%	0.254%
42	12.345	1742	1744	1746	rVV	64206	48967	1.28%	0.099%
43	12.369	1746	1748	1753	rVB	249149	261837	6.83%	0.532%
44	12.451	1757	1762	1765	rBV	3866107	3472656	90.56%	7.054%
45	12.510	1767	1772	1775	rBV2	102282	143928	3.75%	0.292%
46	12.539	1775	1777	1780	rVB	164402	126538	3.30%	0.257%
47	12.592	1780	1786	1791	rBV3	142828	286899	7.48%	0.583%
48	12.680	1794	1801	1804	rBV	3581676	3834757	100.00%	7.790%
49	12.721	1806	1808	1815	rVB2	175127	189277	4.94%	0.384%
50	12.792	1817	1820	1822	rBV	230209	214278	5.59%	0.435%
51	12.816	1822	1824	1831	rVB2	851343	954994	24.90%	1.940%
52	12.898	1832	1838	1841	rBV3	243090	417883	10.90%	0.849%
53	12.927	1841	1843	1845	rVB	68106	52054	1.36%	0.106%
54	12.980	1849	1852	1853	rBV2	202923	210966	5.50%	0.429%
55	13.004	1853	1856	1859	rVB	320393	328040	8.55%	0.666%
56	13.039	1859	1862	1863	rBV	56214	59585	1.55%	0.121%
57	13.068	1864	1867	1869	rVB2	107804	92872	2.42%	0.189%
58	13.104	1869	1873	1876	rBV2	368637	412536	10.76%	0.838%
59	13.163	1881	1883	1886	rBV	83262	71497	1.86%	0.145%
60	13.198	1886	1889	1892	rVB	209173	181177	4.72%	0.368%
61	13.227	1892	1894	1898	rBV2	236032	239956	6.26%	0.487%
62	13.386	1917	1921	1922	rBV3	76441	86595	2.26%	0.176%
63	13.510	1939	1942	1947	rVB	426971	416087	10.85%	0.845%
64	13.568	1950	1952	1955	rVB2	54784	51317	1.34%	0.104%
65	13.621	1957	1961	1963	rVV	348458	366133	9.55%	0.744%
66	13.651	1963	1966	1968	rVV	352803	360051	9.39%	0.731%
67	13.674	1968	1970	1975	rVV2	322800	452473	11.80%	0.919%
68	13.721	1975	1978	1982	rVB	483773	432623	11.28%	0.879%
69	13.868	1996	2003	2006	rBV2	2337526	3539114	92.29%	7.189%
70	13.904	2006	2009	2014	rVB	1940210	1899126	49.52%	3.858%
71	13.980	2016	2022	2024	rBV2	313737	296883	7.74%	0.603%
72	14.104	2038	2043	2046	rVB2	171211	223547	5.83%	0.454%
73	14.133	2046	2048	2050	rVB2	89238	71884	1.87%	0.146%
74	14.192	2055	2058	2060	rBV2	72244	83452	2.18%	0.170%
75	14.221	2061	2063	2065	rVV	86678	82009	2.14%	0.167%
76	14.263	2066	2070	2072	rVV	385154	391158	10.20%	0.795%

LSC Area Percent Report

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Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WG-0516-B3-0-10

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
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If leading or trailing edge < 100 prefer < Baseline drop else tangent >
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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.292	2072	2075	2079	rVV2	211193	238050	6.21%	0.484%
78	14.351	2079	2085	2088	rVV3	179932	294365	7.68%	0.598%
79	14.386	2088	2091	2092	rVV	196570	191851	5.00%	0.390%
80	14.404	2092	2094	2098	rVV3	147124	182791	4.77%	0.371%
81	14.457	2101	2103	2108	rVB2	140141	144018	3.76%	0.293%
82	14.568	2119	2122	2124	rBV2	110844	109890	2.87%	0.223%
83	14.645	2132	2135	2138	rBV3	91393	114339	2.98%	0.232%
84	14.739	2147	2151	2159	rVB2	155379	266198	6.94%	0.541%
85	14.804	2159	2162	2165	rBV4	71478	88368	2.30%	0.180%
86	14.839	2166	2168	2172	rVB	77485	79509	2.07%	0.162%
87	14.898	2172	2178	2180	rBV	1681456	2339124	61.00%	4.751%
88	14.968	2187	2190	2192	rBV2	91375	95498	2.49%	0.194%
89	14.998	2192	2195	2198	rVB	297077	310498	8.10%	0.631%
90	15.080	2206	2209	2210	rBV3	77466	81711	2.13%	0.166%
91	15.133	2216	2218	2221	rVB2	63422	53350	1.39%	0.108%
92	15.180	2221	2226	2232	rVB	965623	1239370	32.32%	2.518%
93	15.239	2232	2236	2241	rVB	1388069	1601449	41.76%	3.253%
94	15.298	2241	2246	2249	rBV	853359	1039964	27.12%	2.112%
95	15.327	2249	2251	2258	rVB	457512	513735	13.40%	1.044%
96	16.674	2475	2480	2488	rVB2	537758	1006316	26.24%	2.044%
97	16.839	2504	2508	2513	rVB	83444	130417	3.40%	0.265%
98	16.892	2515	2517	2522	rVB2	73760	97983	2.56%	0.199%
99	17.092	2545	2551	2560	rVB	395162	778502	20.30%	1.581%
100	17.315	2584	2589	2595	rVB	97325	187380	4.89%	0.381%

Sum of corrected areas: 49229811

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
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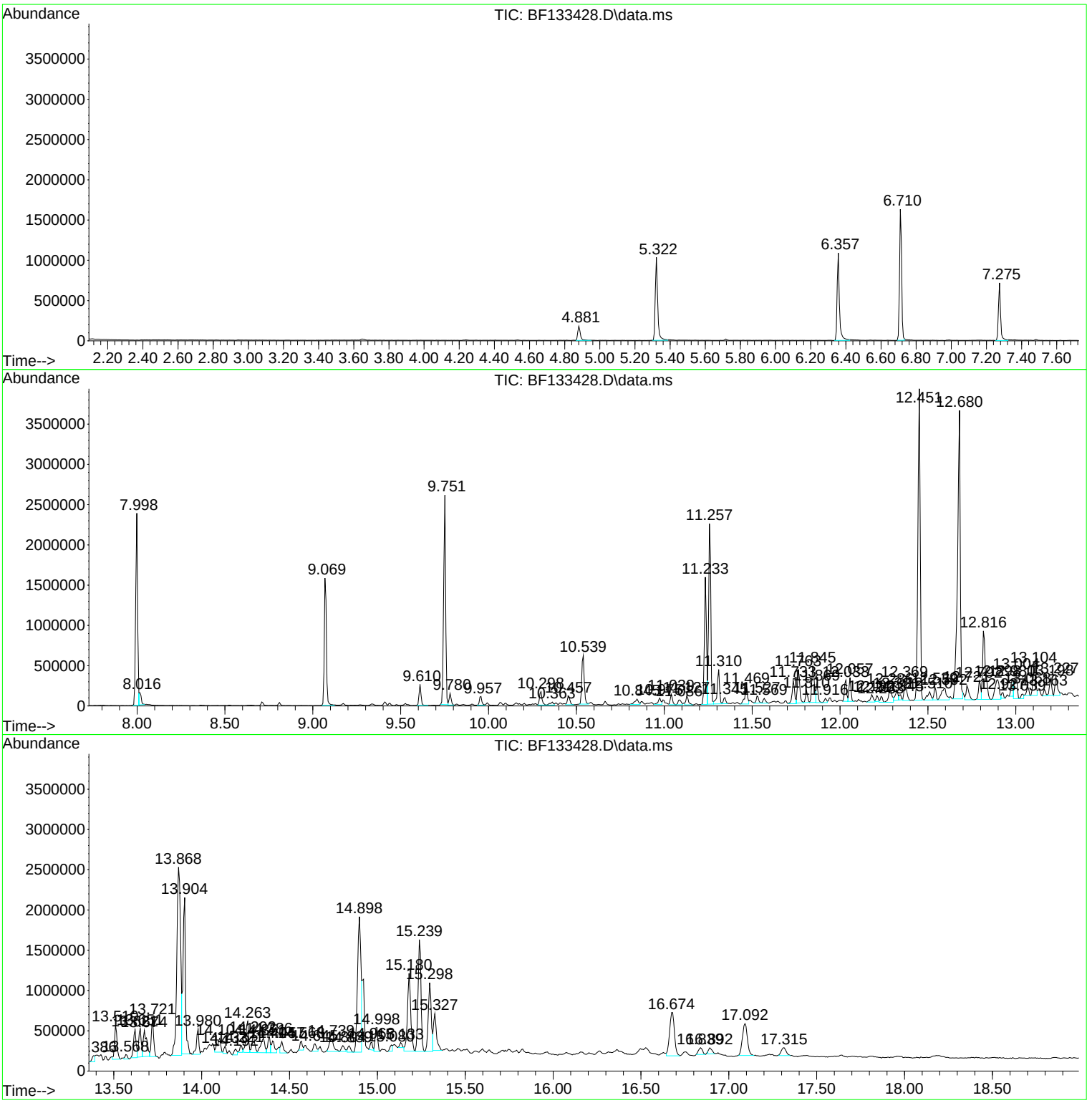
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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\BF051723\
Data File : BF133428.D
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Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

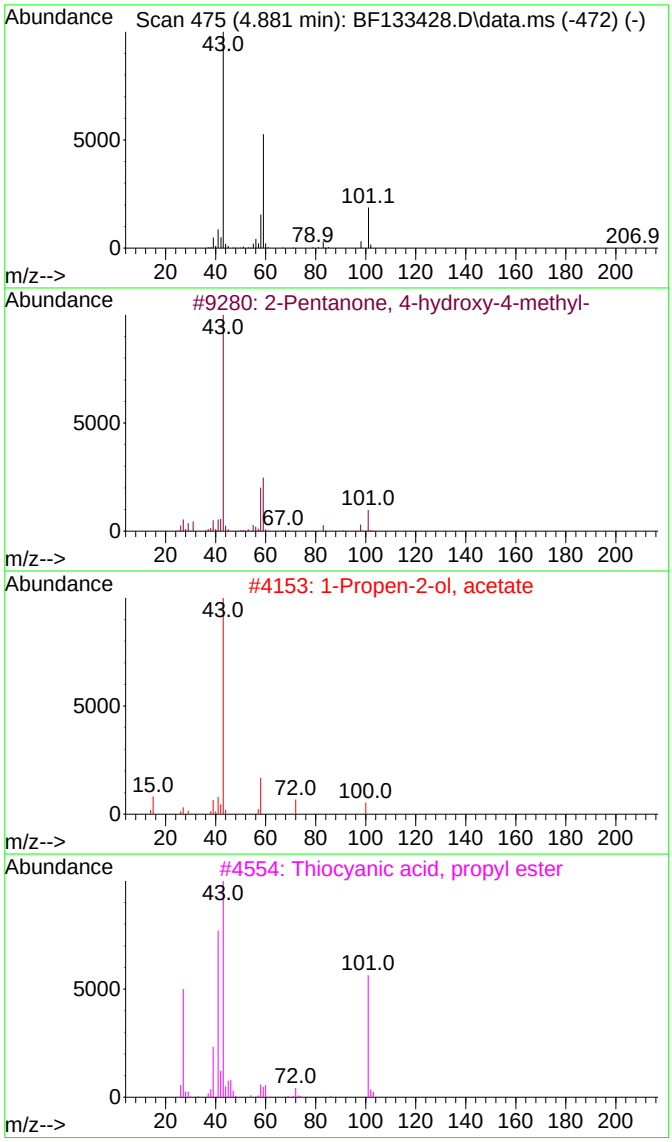
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

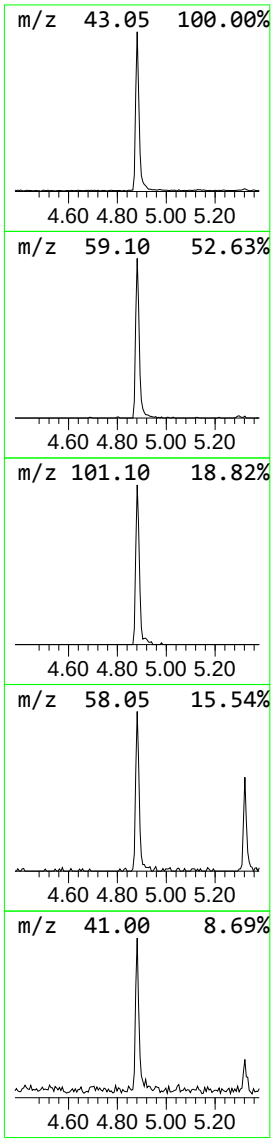
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.881	2.70 ng	180444	1,4-Dichlorobenzene-d4	6.710

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	10
3	Thiocyanic acid, propyl ester	101	C4H7NS	004251-16-5	9
4	Acetamide, N-(aminocarbonyl)-	102	C3H6N2O2	000591-07-1	9
5	Propane, 1-ethoxy-2-methyl-	102	C6H14O	000627-02-1	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
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Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

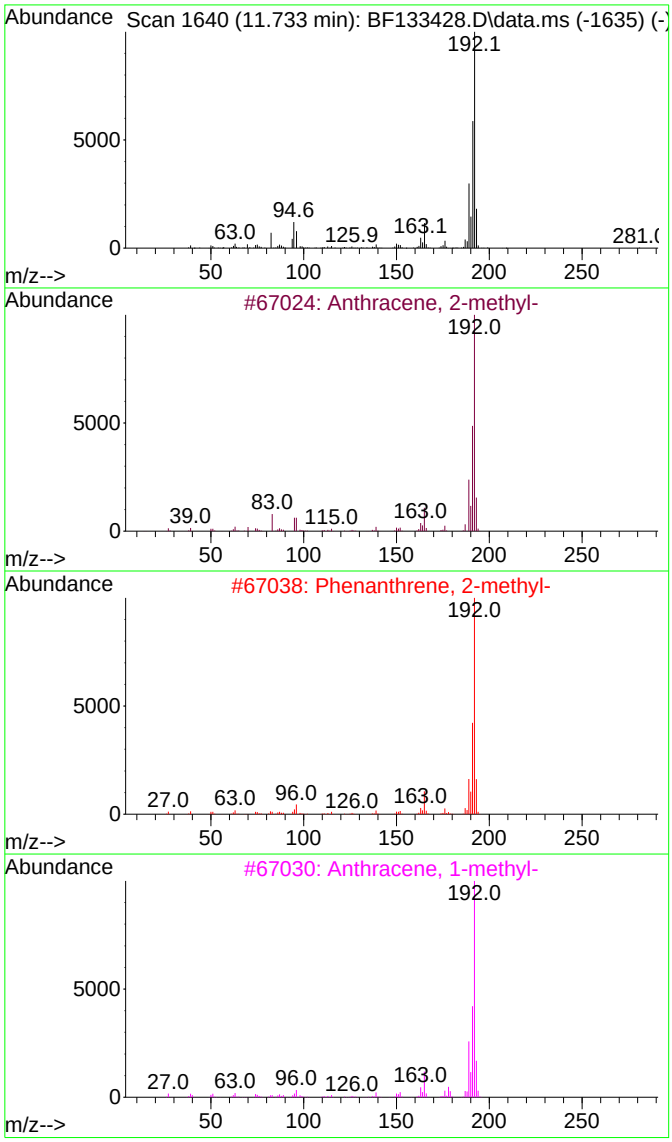
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

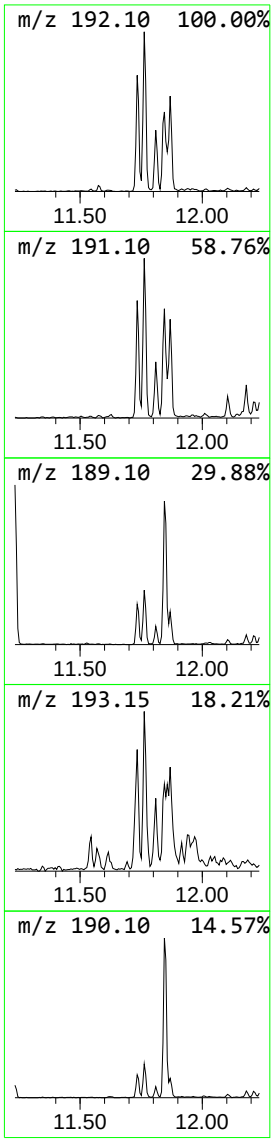
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.733	4.32 ng	285807	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

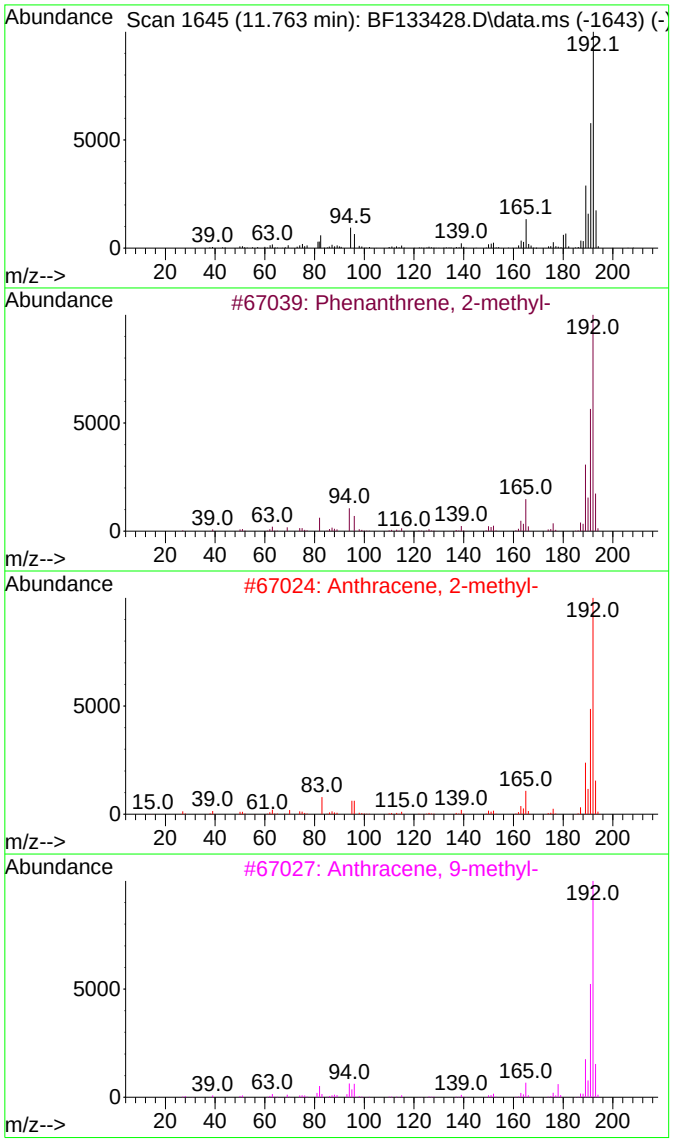
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

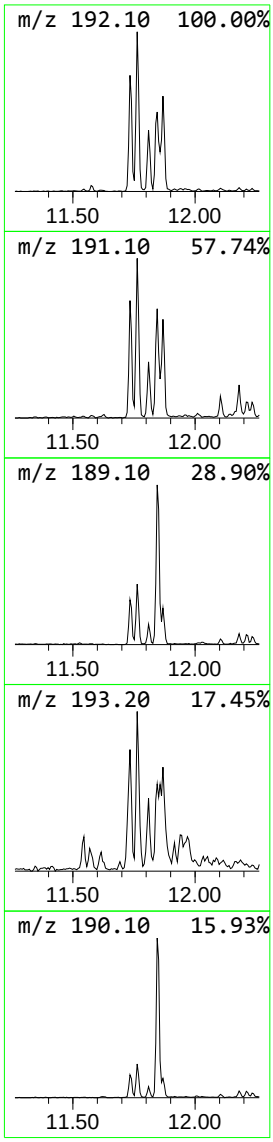
****

Peak Number 3 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	5.61 ng	371431	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	90
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

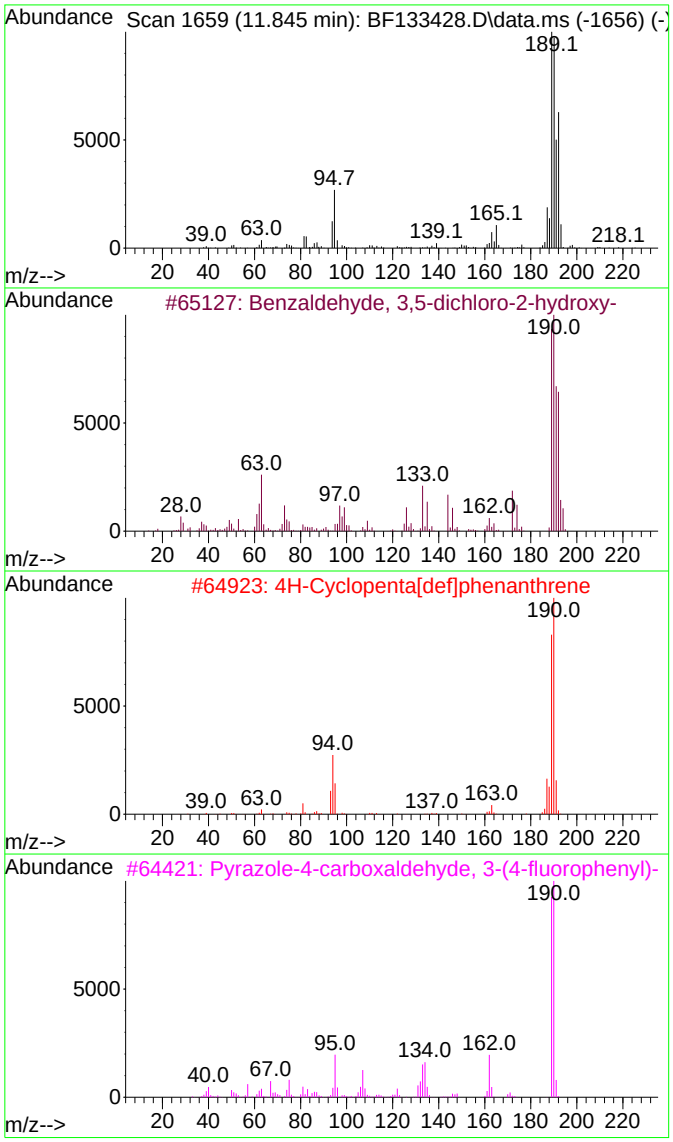
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

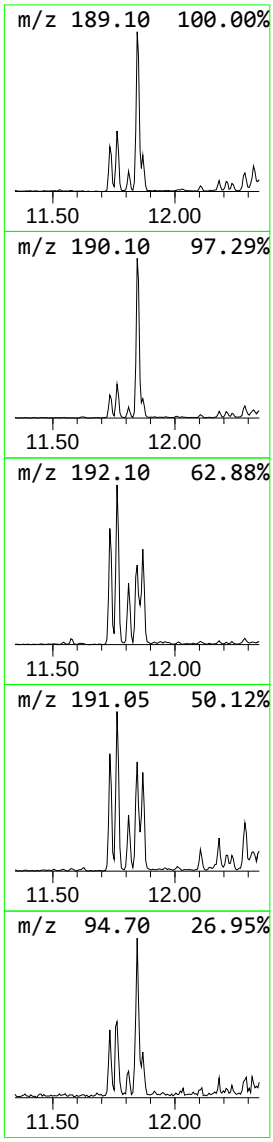
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzaldehyde, 3,5-dichloro-... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.845	7.37 ng	488036	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzaldehyde, 3,5-dichloro-2-hyd...	190	C7H4Cl2O2	000090-60-8	72
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	64
3	Pyrazole-4-carboxaldehyde, 3-(4-...	190	C10H7FN2O	306936-57-2	49
4	5H-Dibenzo[a,d]cycloheptene	192	C15H12	000256-81-5	38
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	30





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

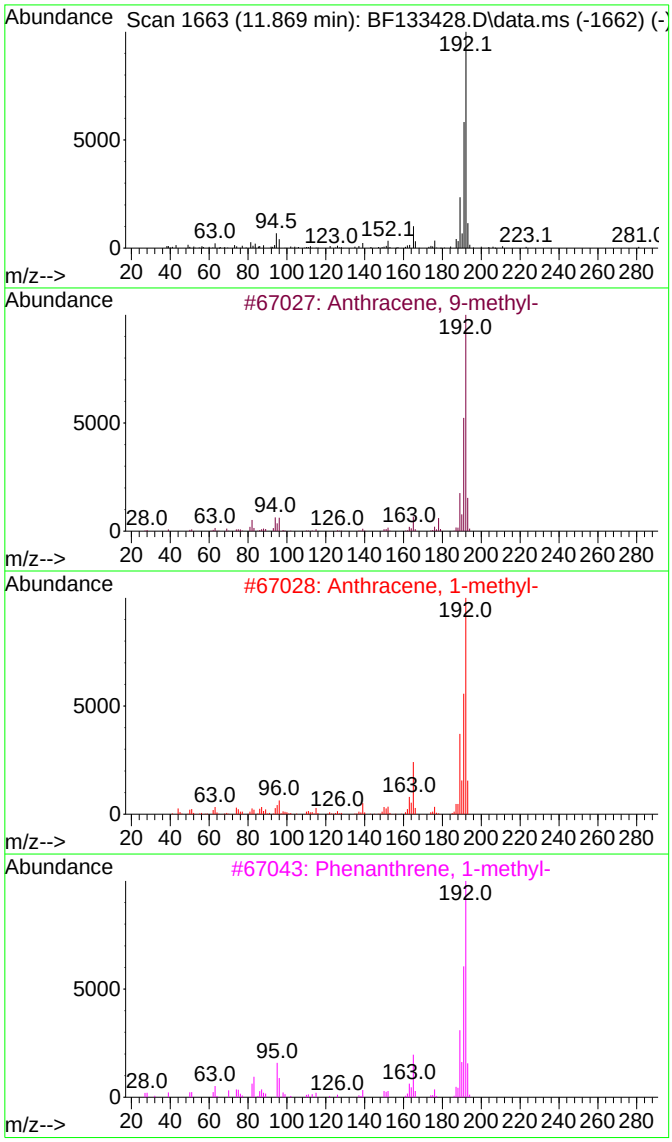
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

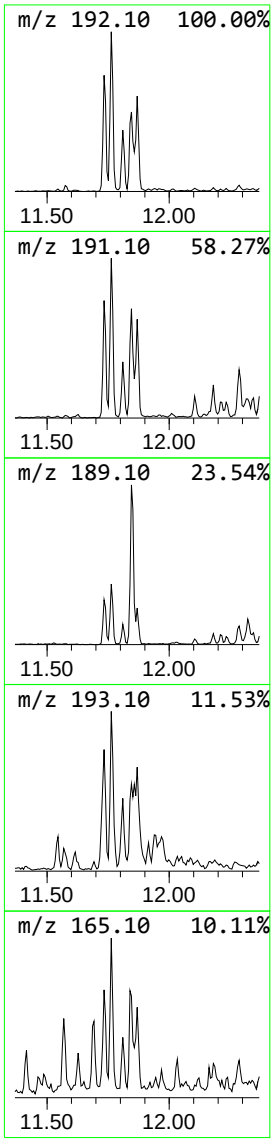
****

Peak Number 5 Anthracene, 9-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.869	2.22 ng	146867	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
2	Anthracene, 1-methyl-	192	C15H12	000610-48-0	74
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	74
4	Phenanthrene, 9-methyl-	192	C15H12	000883-20-5	74
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	72





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Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
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ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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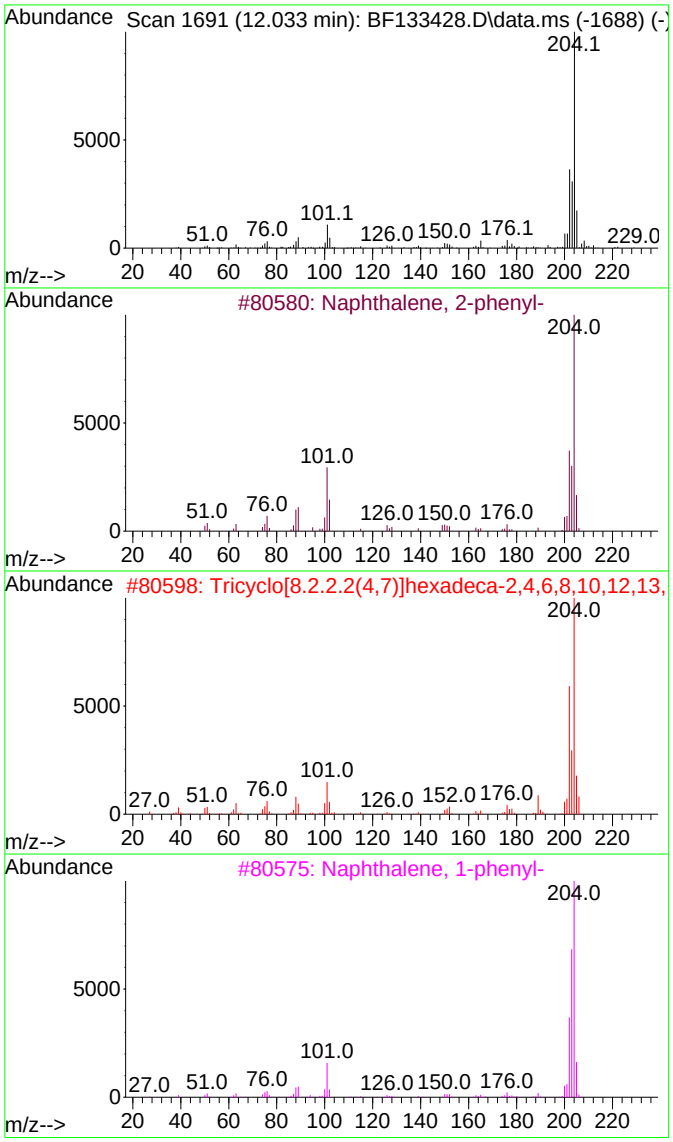
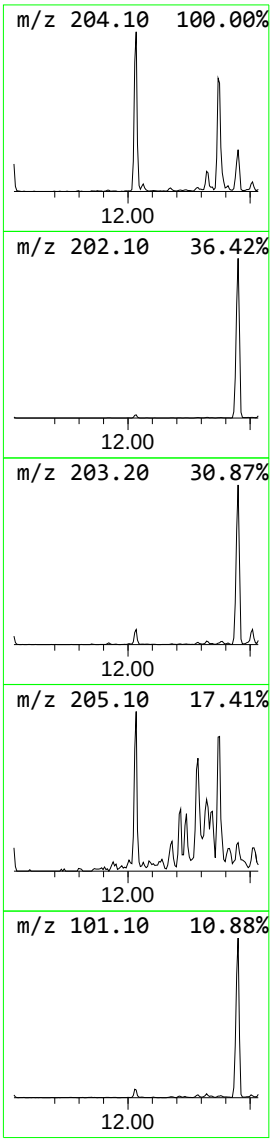
Peak Number 6 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.033	3.45 ng	228468	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	89
2	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	74
3	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	52
4	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	50
5	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	50





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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

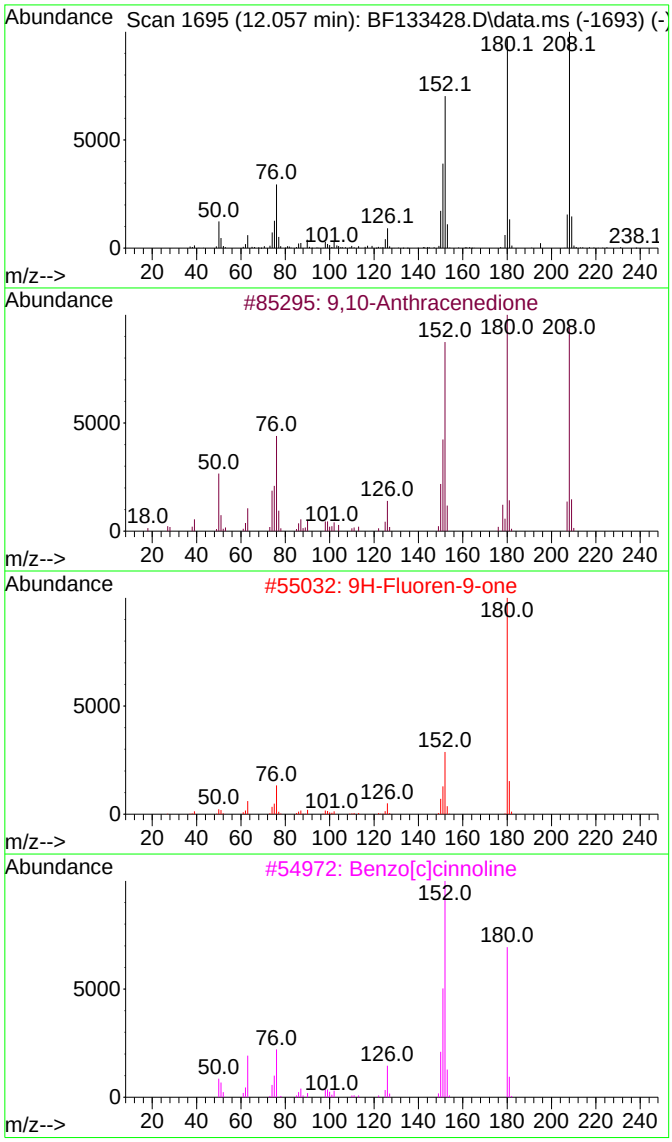
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

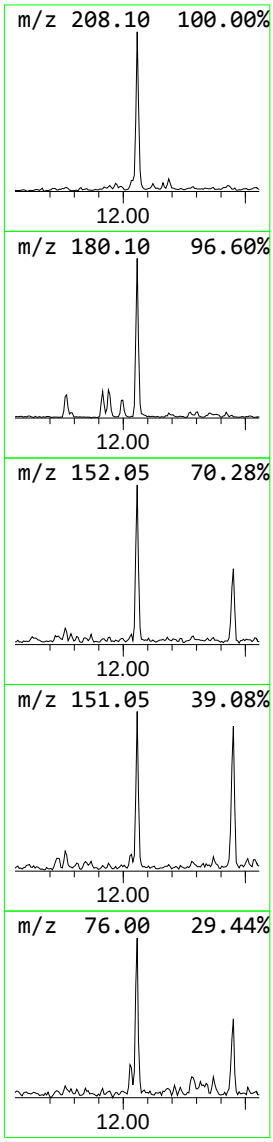
****

Peak Number 7 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	3.30 ng	218406	Phenanthrene-d10	11.233

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	78
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	55
5	Diphenic anhydride	224	C14H8O3	006050-13-1	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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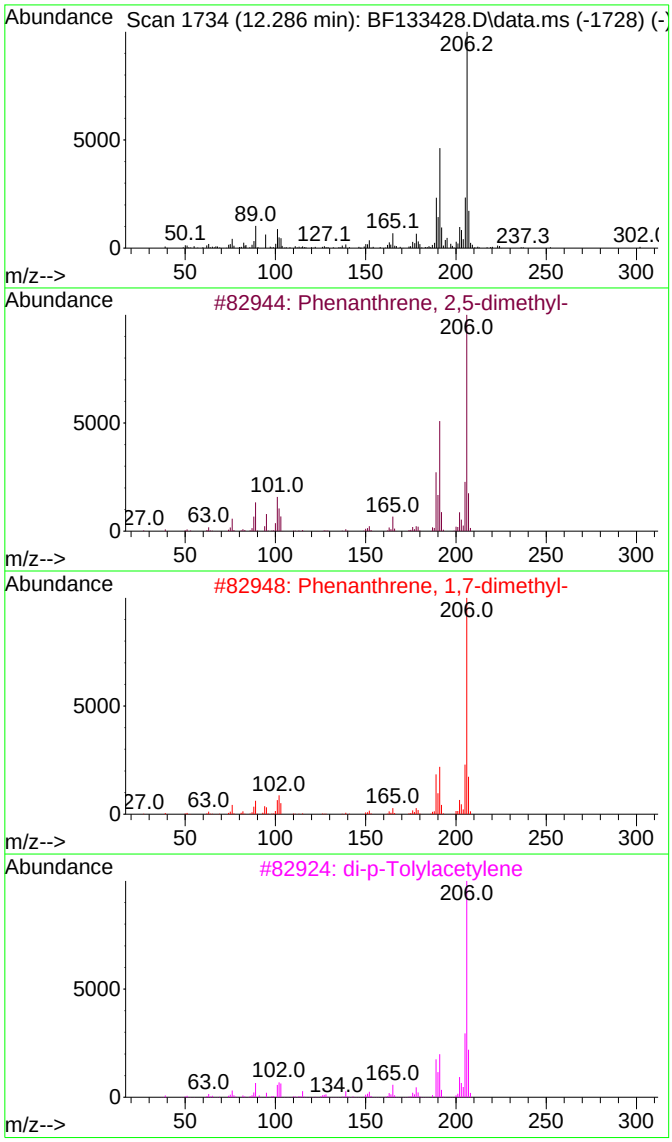
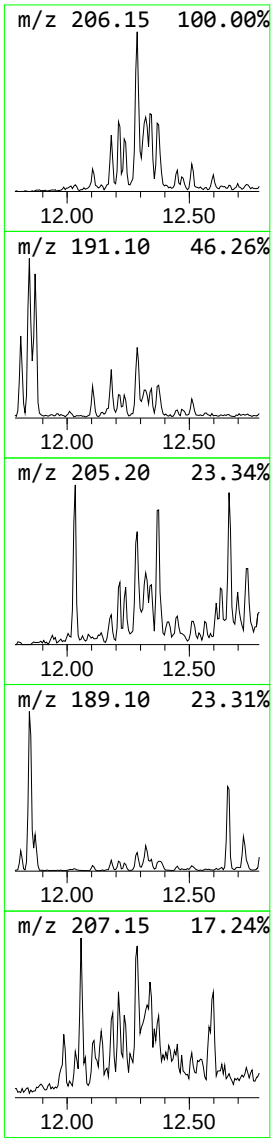
Peak Number 8 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.286	3.58 ng	237269	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	93
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91





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Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

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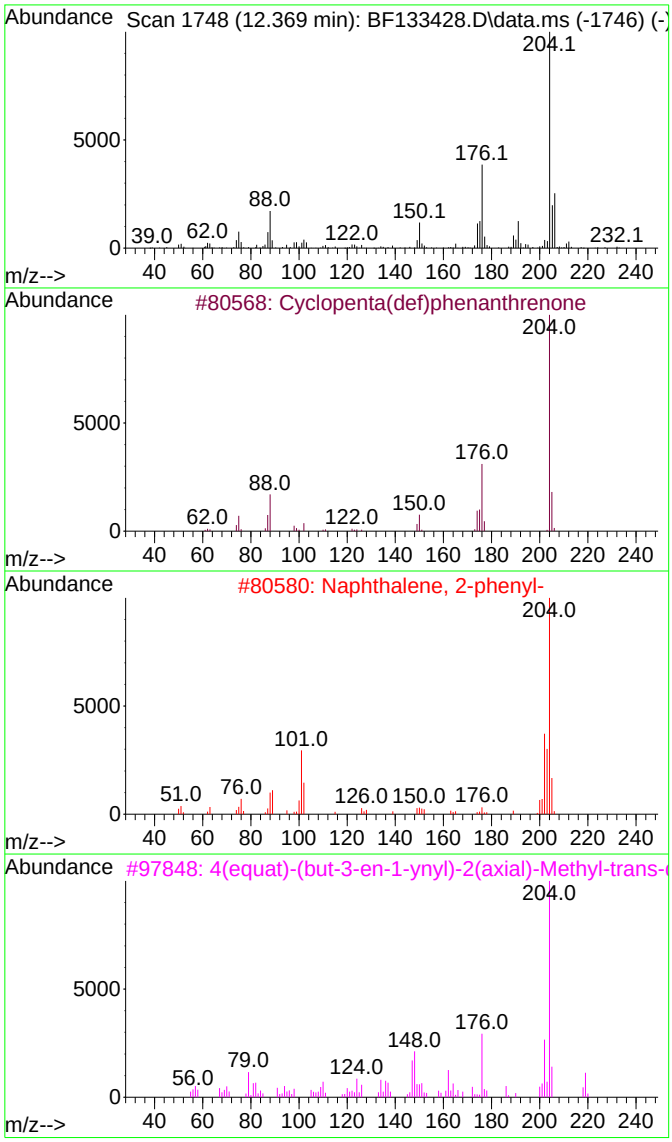
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

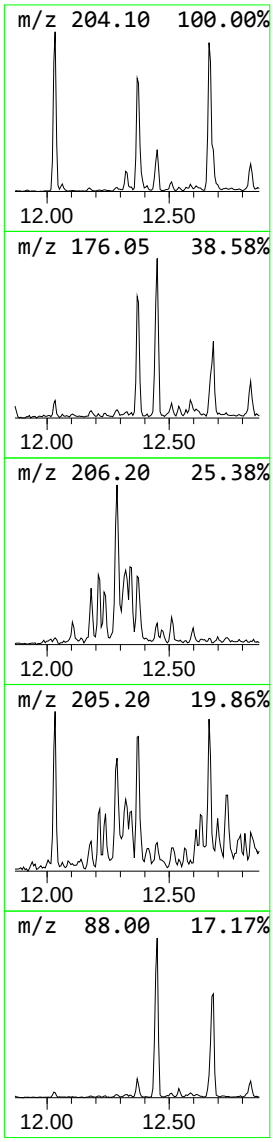
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	3.95 ng	261837	Phenanthrene-d10	11.233

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	97
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	43
3	4(equat)-(but-3-en-1-ynyl)-2(axi...	219	C14H21NO	038423-22-2	40
4	Pyrimido[5,4-b]benzofurane, 4-ch...	204	C10H5ClN2O	039876-88-5	38
5	Tetracyano-p-quinodimethane	204	C12H4N4	001518-16-7	38





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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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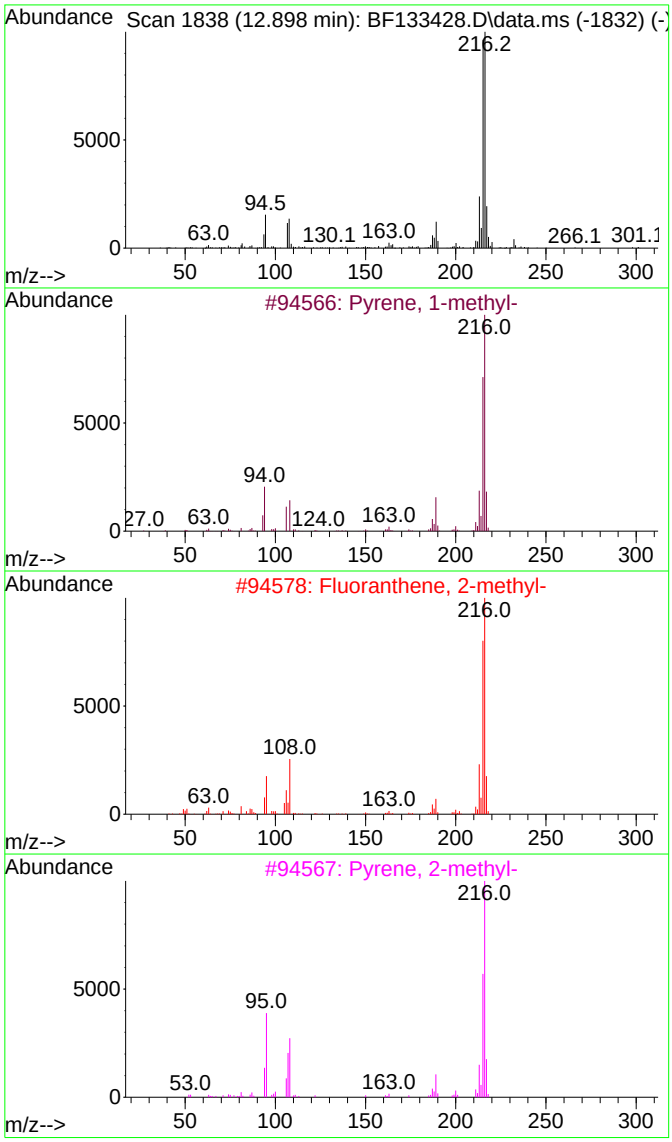
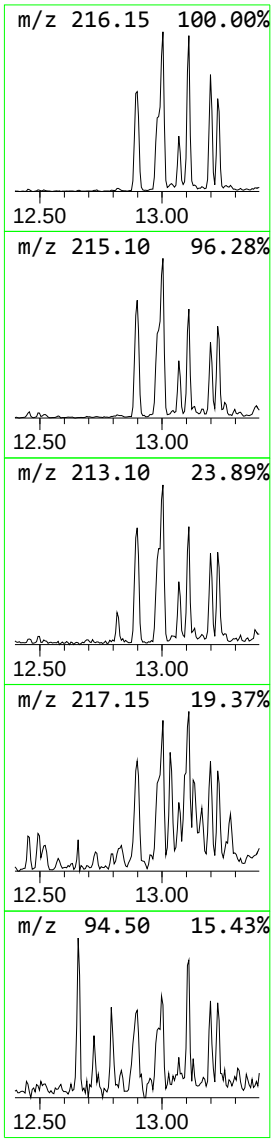
Peak Number 10 Pyrene, 1-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.898	2.36 ng	417883	Chrysene-d12	13.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	93
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	90
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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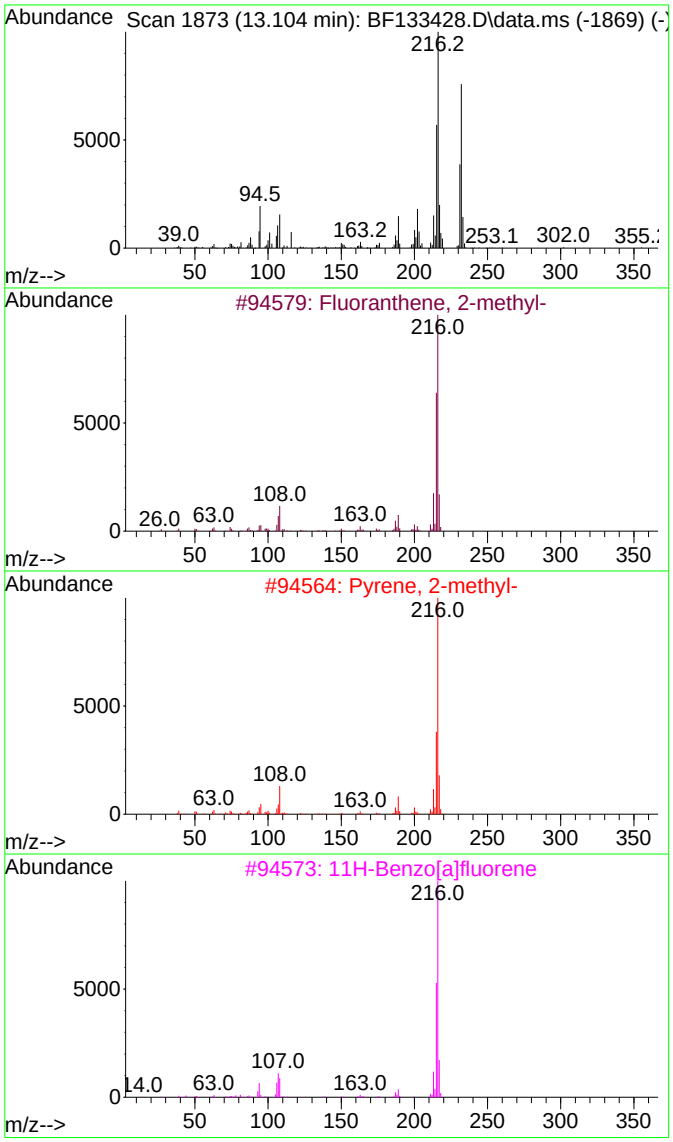
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

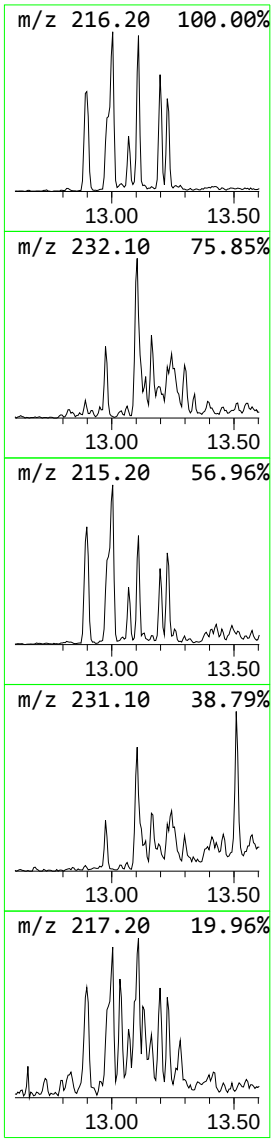
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	2.33 ng	412536	Chrysene-d12	13.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	51
2	Pyrene, 2-methyl-	216	C17H12	003442-78-2	50
3	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	45
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	43
5	1,2,3,4-Tetrahydrobenz[a]anthracene	232	C18H16	004483-98-1	43





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Misc :
ALS Vial : 21 Sample Multiplier: 1

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

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

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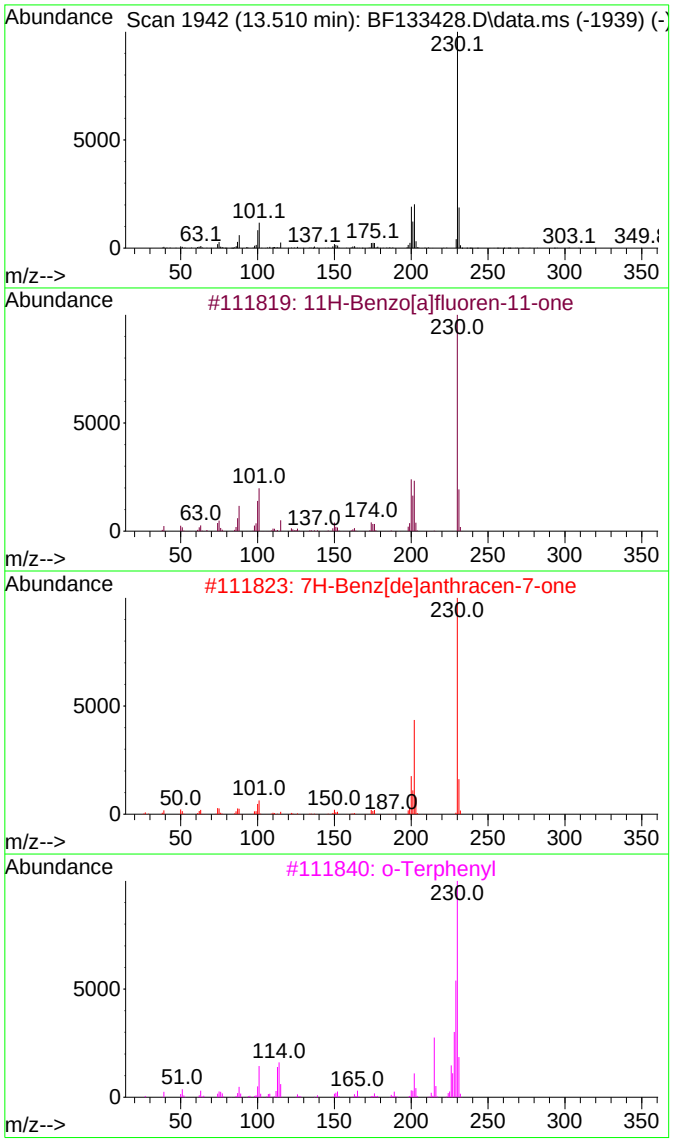
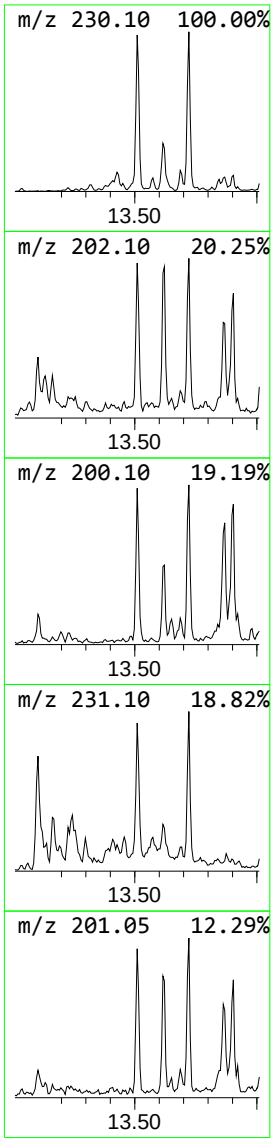
Peak Number 12 11H-Benzo[a]fluoren-11-one Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.510	2.35 ng	416087	Chrysene-d12	13.874

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	o-Terphenyl	230	C18H14	000084-15-1	58
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	5,6-Dihydrochrysene	230	C18H14	002091-92-1	50





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Misc :
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Instrument :
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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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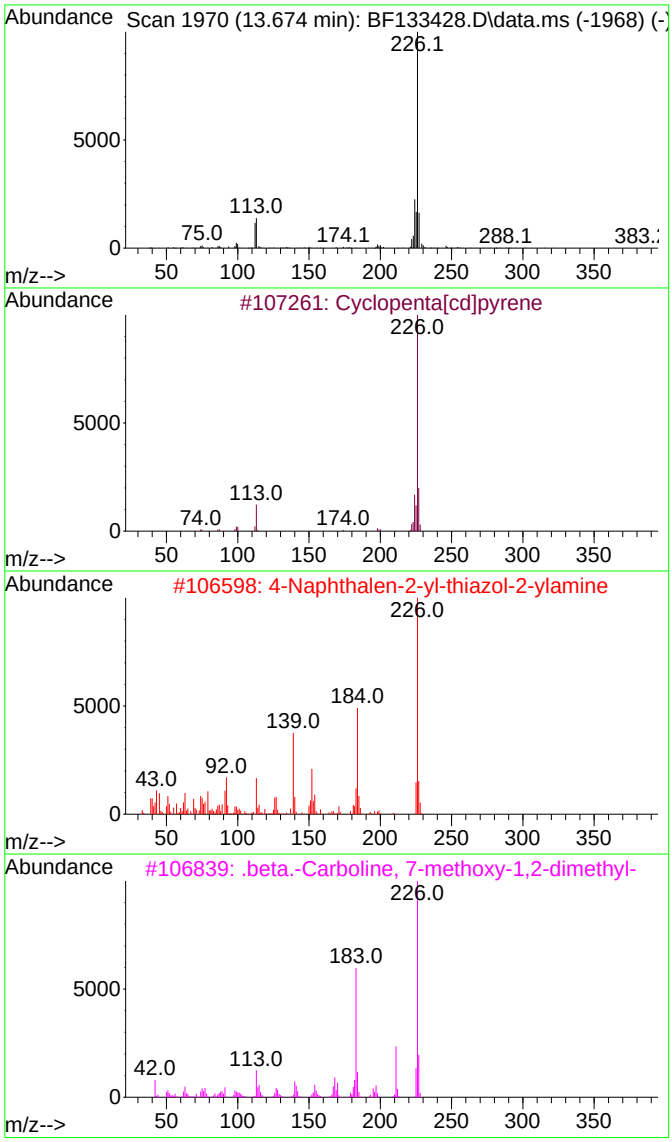
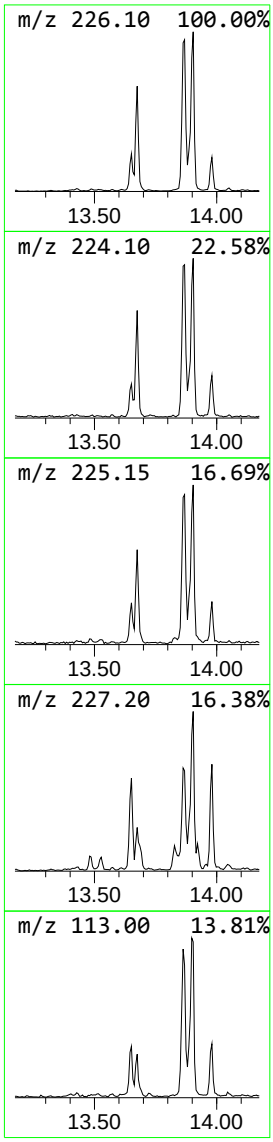
Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.674	2.56 ng	452473	Chrysene-d12	13.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	93
2	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	53
3	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
4	Benzene, [4-(3-ethynylphenyl)-1,...	226	C18H10	1000115-87-3	42
5	2-Thiazolamine, 4-(1-naphthalenyl)-	226	C13H10N2S	056503-96-9	40





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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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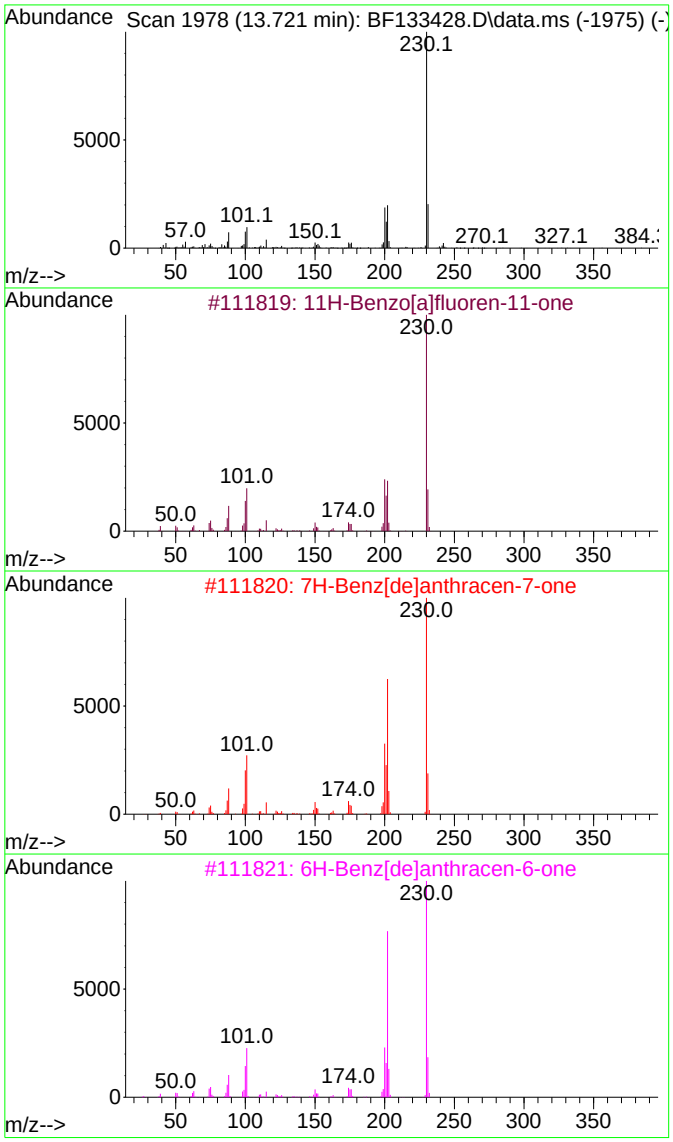
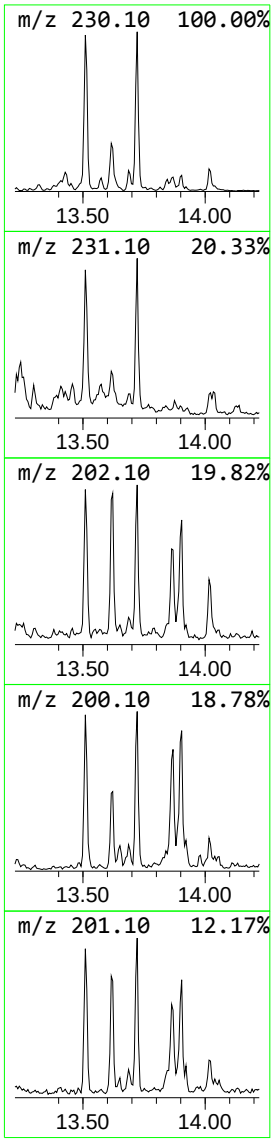
Peak Number 14 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.721	2.44 ng	432623	Chrysene-d12	13.874

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	91
3	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	72
4	9-Chloro-1-phenazinol	230	C12H7ClN2O	091268-03-0	64
5	4-Isothiazolecarbonitrile, 3,5-b...	230	C8H10N2S3	024135-13-5	59





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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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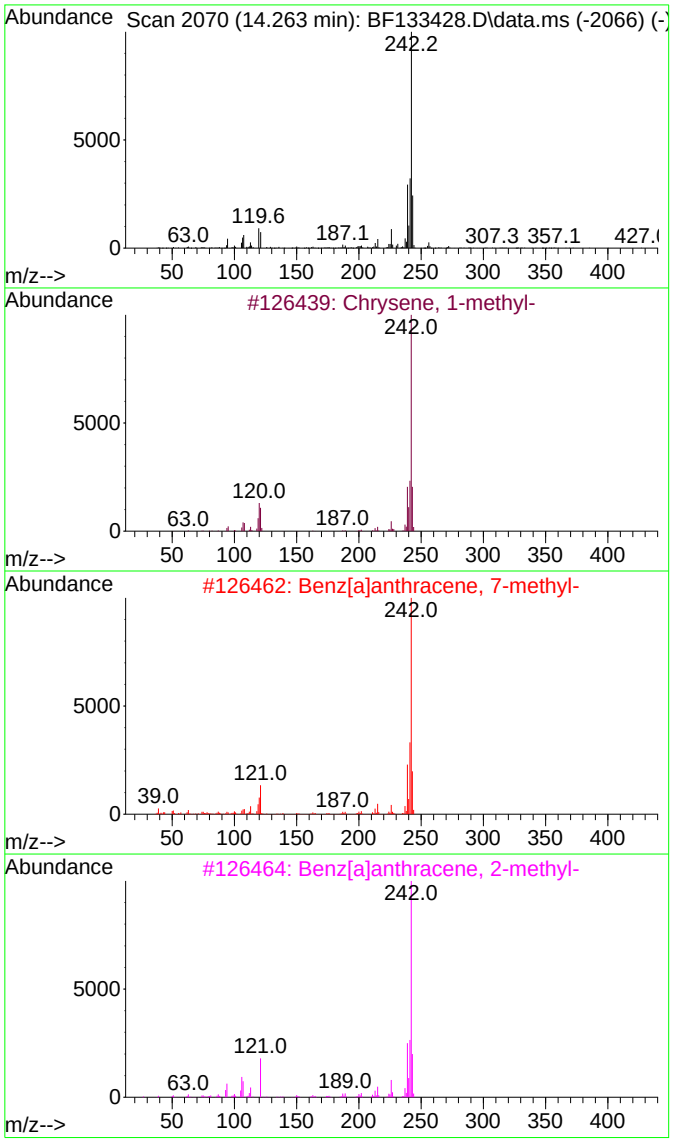
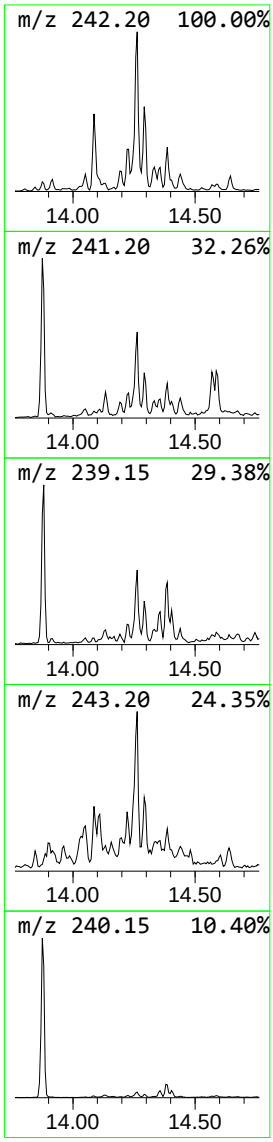
Peak Number 15 Chrysene, 1-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.262	2.21 ng	391158	Chrysene-d12	13.874

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	91
2	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	90
3	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	89
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	89
5	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89





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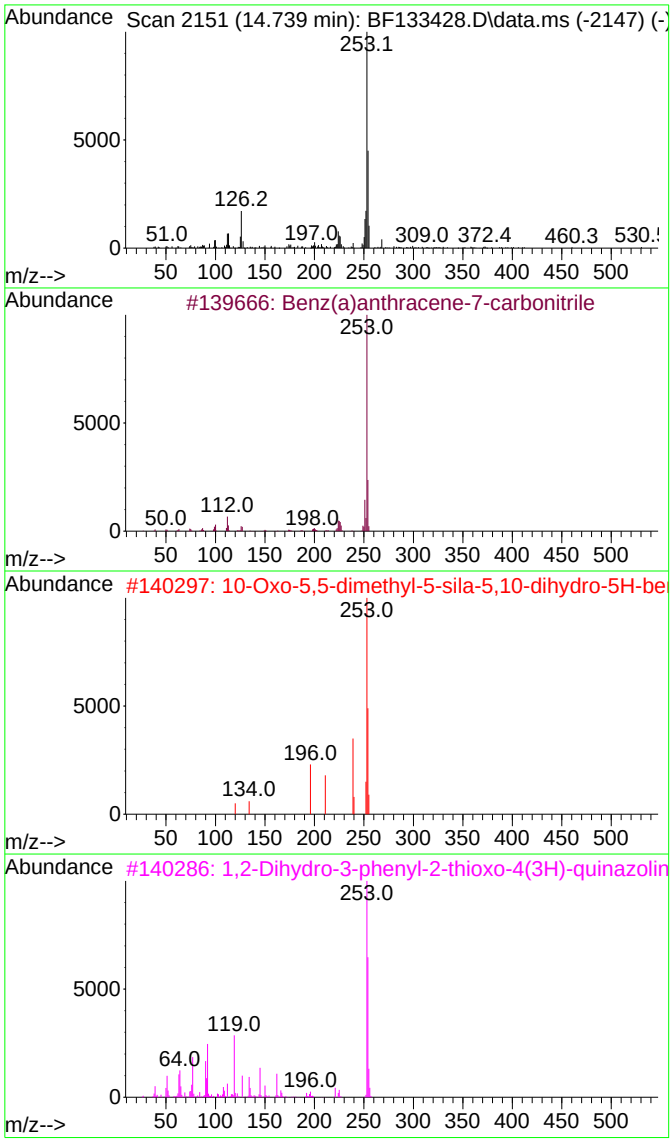
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

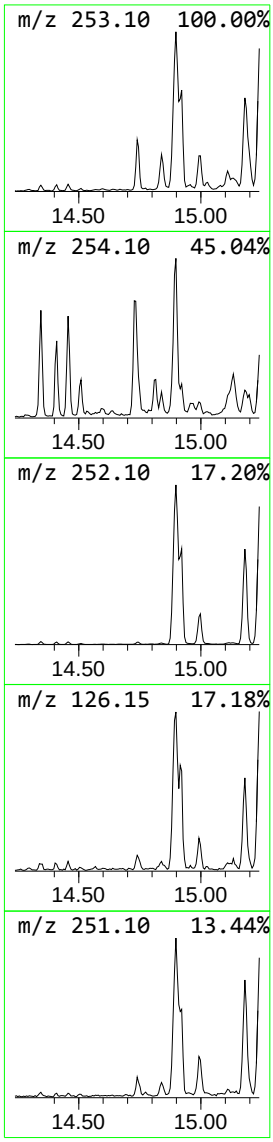
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.739	5.12 ng	266198	Perylene-d12	15.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	64
2	10-Oxo-5,5-dimethyl-5-sila-5,10-...	254	C14H14N2OSi	089052-45-9	59
3	1,2-Dihydro-3-phenyl-2-thioxo-4(...	254	C14H10N2OS	018741-24-7	45
4	2H-1,4-Benzothiazin-2-acetic aci...	253	C11H11NO2S2	002832-88-4	43
5	Bis(trimethylsilyl) propylphosph...	268	C9H25O3PSi2	1000193-07-4	40





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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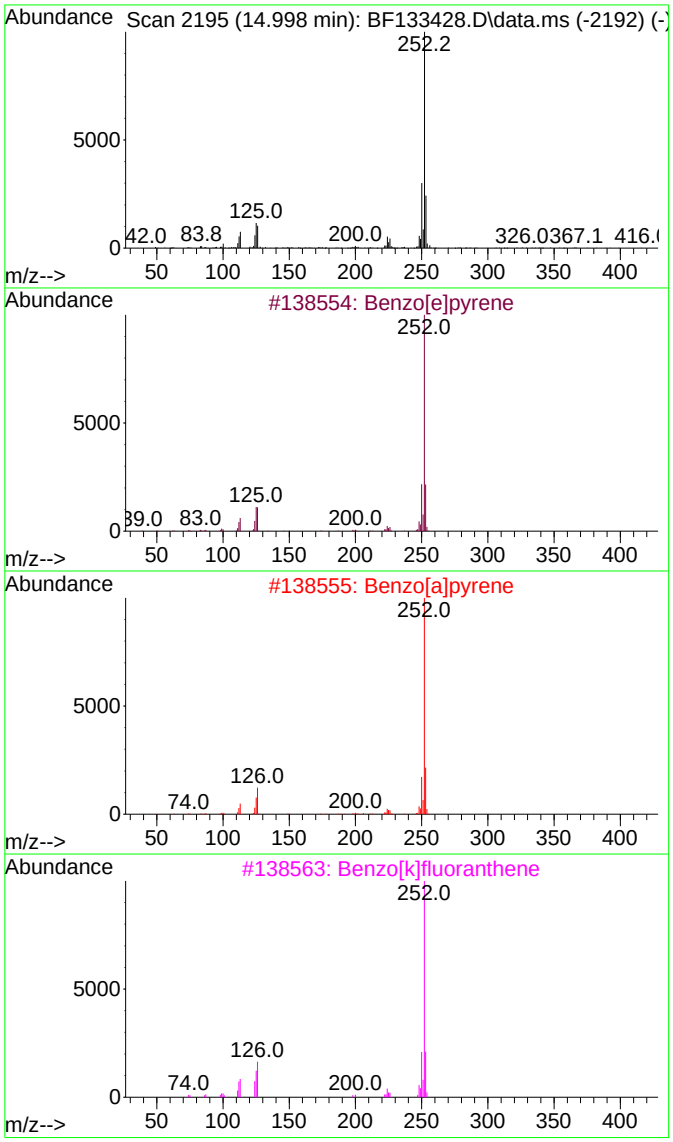
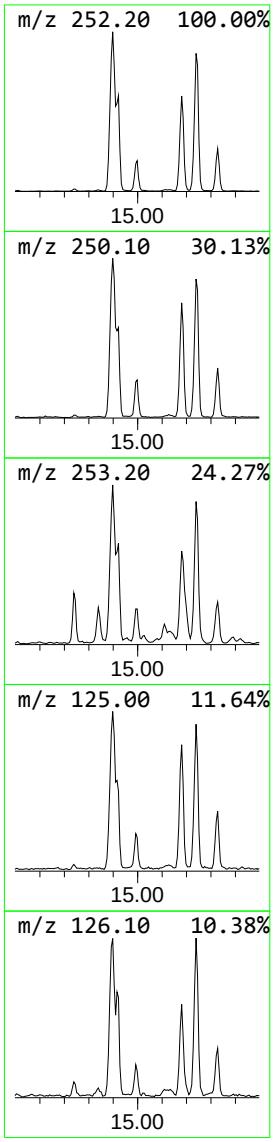
Peak Number 17 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.998	5.97 ng	310498	Perylene-d12	15.298

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	95
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	91
4	Perylene	252	C20H12	000198-55-0	90
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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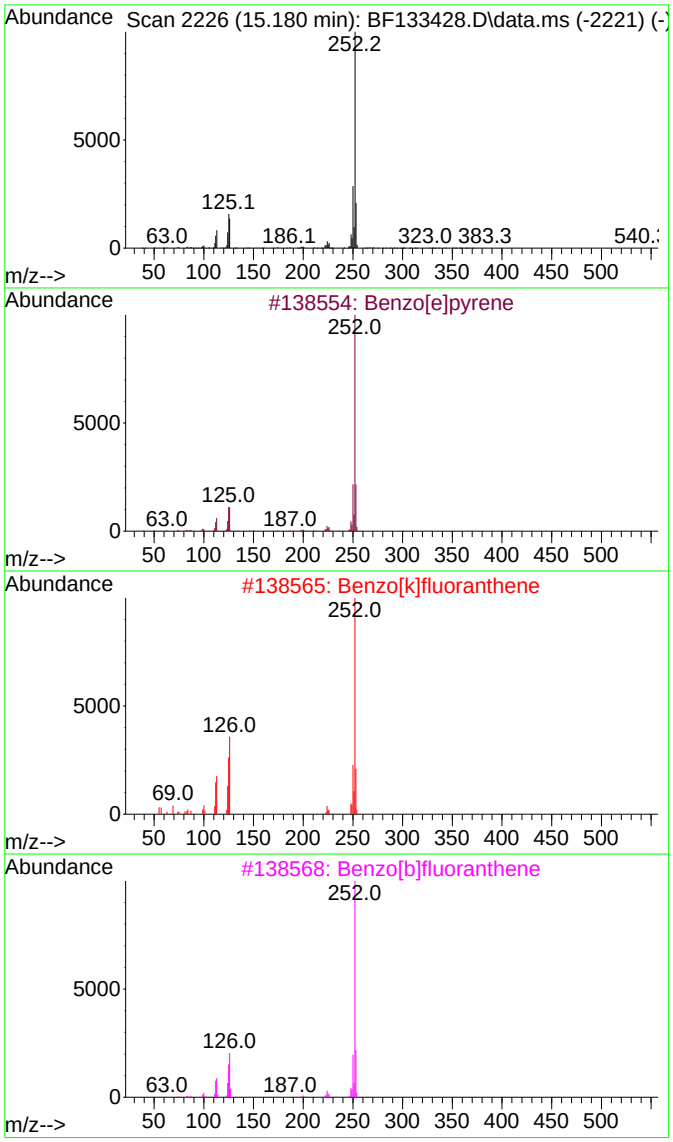
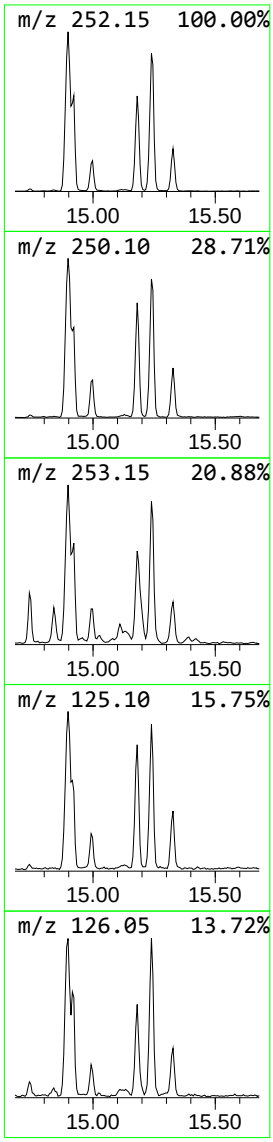
Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.180	23.83 ng	1239370	Perylene-d12	15.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	98
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	96
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Benzo[a]pyrene	252	C20H12	000050-32-8	93
5	Perylene	252	C20H12	000198-55-0	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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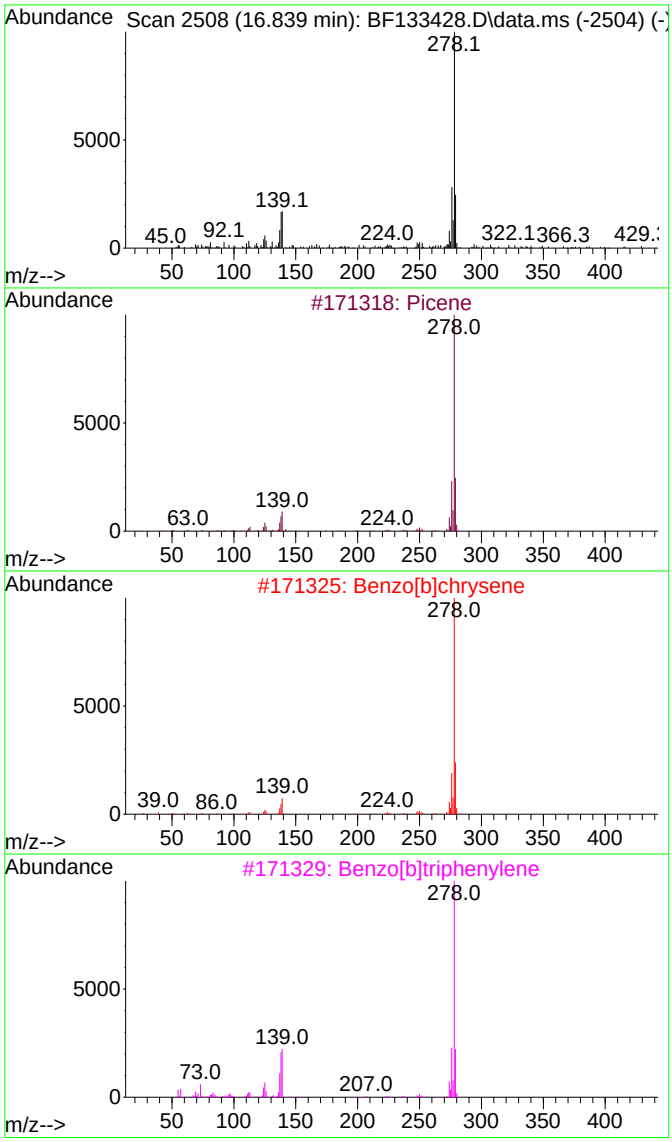
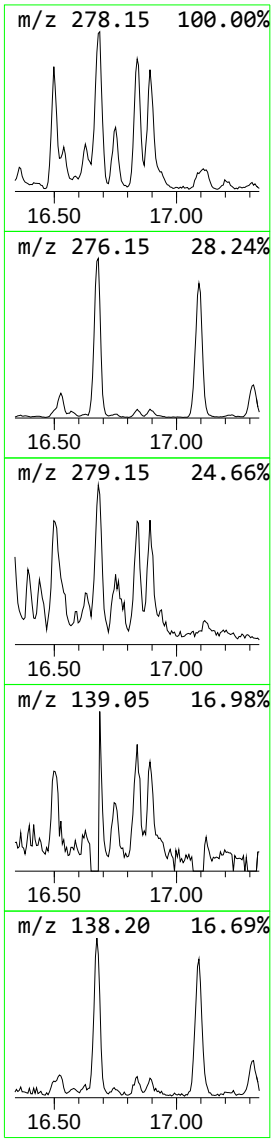
Peak Number 19 Picene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.839	2.51 ng	130417	Perylene-d12	15.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Picene	278	C22H14	000213-46-7	96
2	Benzo[b]chrysene	278	C22H14	000214-17-5	95
3	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
4	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	86
5	Pyrene, 1-phenyl-	278	C22H14	005101-27-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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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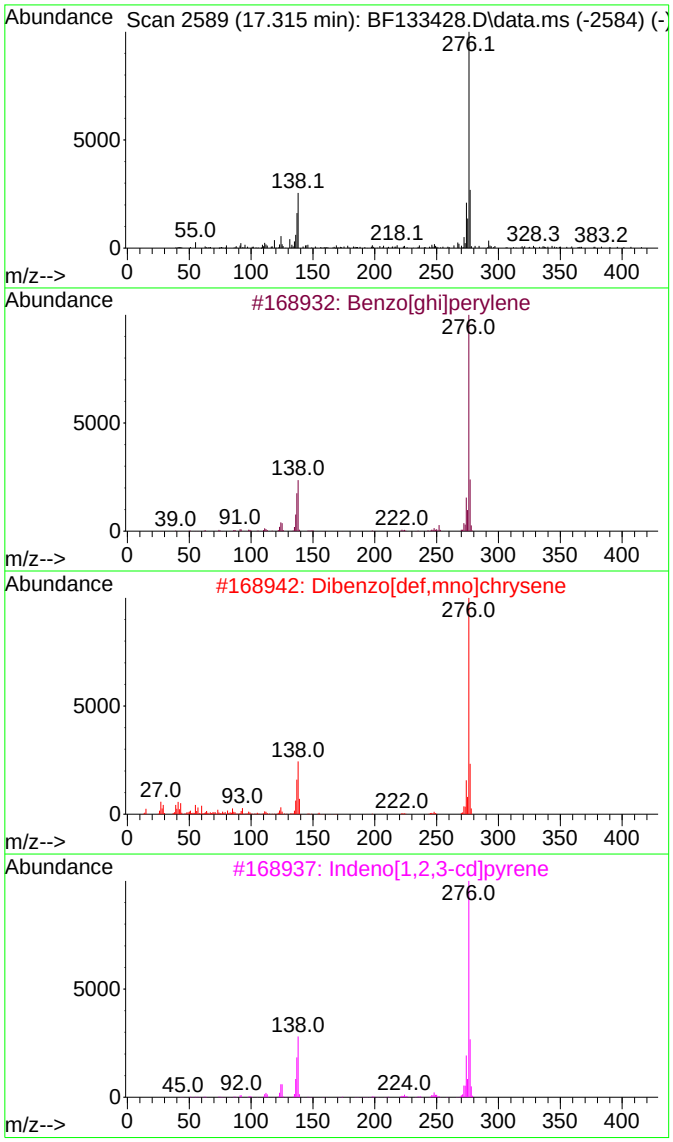
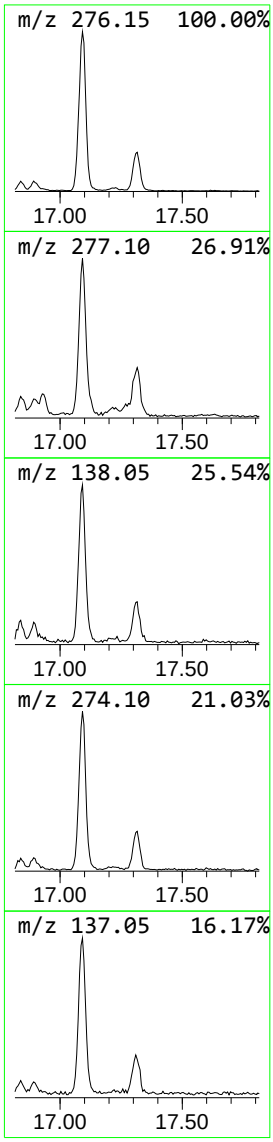
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.315	3.60 ng	187380	Perylene-d12	15.298

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
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	72
5	1H-Indol-2-amine, N,N'-bis(trime...	276	C14H24N2Si2	1000500-18-2	47





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF051723\
Data File : BF133428.D
Acq On : 17 May 2023 22:56
Operator : CG\JU
Sample : 02812-06 5X
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
WG-0516-B3-0-10

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042123.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-...	4.881	2.7	ng	180444	1	6.710	1339000	20.0
Anthracene, 2-m...	11.733	4.3	ng	285807	4	11.233	1324210	20.0
Phenanthrene, 2...	11.763	5.6	ng	371431	4	11.233	1324210	20.0
Benzaldehyde, 3...	11.845	7.4	ng	488036	4	11.233	1324210	20.0
Anthracene, 9-m...	11.869	2.2	ng	146867	4	11.233	1324210	20.0
Naphthalene, 2-...	12.033	3.5	ng	228468	4	11.233	1324210	20.0
9,10-Anthracene...	12.057	3.3	ng	218406	4	11.233	1324210	20.0
Phenanthrene, 2...	12.286	3.6	ng	237269	4	11.233	1324210	20.0
Cyclopenta(def)...	12.368	4.0	ng	261837	4	11.233	1324210	20.0
Pyrene, 1-methyl-	12.898	2.4	ng	417883	5	13.874	3539110	20.0
Fluoranthene, 2...	13.104	2.3	ng	412536	5	13.874	3539110	20.0
11H-Benzo[a]flu...	13.510	2.4	ng	416087	5	13.874	3539110	20.0
Cyclopenta[cd]p...	13.674	2.6	ng	452473	5	13.874	3539110	20.0
7H-Benz[de]anth...	13.721	2.4	ng	432623	5	13.874	3539110	20.0
Chrysene, 1-met...	14.262	2.2	ng	391158	5	13.874	3539110	20.0
Benz(a)anthrace...	14.739	5.1	ng	266198	6	15.298	1039960	20.0
Benzo[e]pyrene	14.998	6.0	ng	310498	6	15.298	1039960	20.0
Perylene	15.180	23.8	ng	1239370	6	15.298	1039960	20.0
Picene	16.839	2.5	ng	130417	6	15.298	1039960	20.0
Dibenzo[def,mno...	17.315	3.6	ng	187380	6	15.298	1039960	20.0