LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : VNJ-228

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF132012.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.957	485	488	497	rVB	101906	108582	6.78%	0.473%
2	5.393	559	562	574	rBV	281143	277664	17.34%	1.210%
3	6.428	734	738	750	rBV	287552	291683	18.21%	1.271%
4	6.781	795	798	802	rBV	509779	398514	24.88%	1.736%
5	7.351	891	895	898	rBV	196739	165735	10.35%	0.722%
6	8.075	1014	1018	1020	rBV	507244	429378	26.81%	1.870%
7	9.151	1195	1201	1204	rBV	357494	276583	17.27%	1.205%
8	9.492	1255	1259	1261	rBV	79680	79289	4.95%	0.345%
9	9.692	1290	1293	1297	rBV	235157	197344	12.32%	0.860%
10	9.834	1309	1317	1320	rBV	582430	482804	30.15%	2.103%
11	9.863	1320	1322	1326	rVB	82647	69357	4.33%	0.302%
12	10.034	1347	1351	1355	rVV2	71356	75180	4.69%	0.328%
13	10.075	1355	1358	1362	rVB	59680	52224	3.26%	0.227%
14	10.145	1366	1370	1373	rBV2	63519	66838	4.17%	0.291%
15	10.239	1382	1386	1387	rBV3	38321	51740	3.23%	0.225%
16	10.381	1407	1410	1416	rVB2	117604	129580	8.09%	0.564%
17	10.622	1448	1451	1455	rVB	200252	186741	11.66%	0.813%
18	10.745	1468	1472	1478	rVB4	70363	111848	6.98%	0.487%
19	10.933	1499	1504	1506	rBV3	59852	79903	4.99%	0.348%
20	11.081	1527	1529	1535	rVV3	44406	64591	4.03%	0.281%
21	11.133	1535	1538	1541	rVV	71419	71118	4.44%	0.310%
22	11.180	1541	1546	1549	rVV3	43198	71779	4.48%	0.313%
23	11.222	1549	1553	1557	rVB	80326	88226	5.51%	0.384%
24	11.328	1567	1571	1573	rBV	510966	496130	30.98%	2.161%
25	11.351	1573	1575	1578	rVV	1021290	769582	48.05%	3.352%
26	11.398	1581	1583	1586	rVV	179868	163961	10.24%	0.714%
27	11.433	1586	1589	1592	rVV2	62108	76779	4.79%	0.334%
28	11.563	1606	1611	1615	rVV2	74484	101716	6.35%	0.443%
29	11.622	1617	1621	1623	rVV2	52197	70088	4.38%	0.305%
30	11.657	1624	1627	1632	rVB2	96461	97055	6.06%	0.423%
31	11.739	1639	1641	1645	rVB	52133	56265	3.51%	0.245%
32	11.828	1653	1656	1659	rVV	311674	280831	17.54%	1.223%
33	11.857	1659	1661	1665	rVB	384062	312284	19.50%	1.360%
34	11.904	1665	1669	1672	rBV	101360	109095	6.81%	0.475%
35	11.939	1672	1675	1677	rVV	384494	374343	23.37%	1.631%
36	11.963	1677	1679	1685	rVB	253938	215779	13.47%	0.940%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

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-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.016	1685	1688	1691	rBV3	44111	63472	3.96%	0.276%
38	12.127	1704	1707	1709	rVV	132619	128000	7.99%	0.558%
39	12.157	1709	1712	1716	rVB	191509	172461	10.77%	0.751%
40	12.275	1730	1732	1735	rVV	76071	65079	4.06%	0.283%
41	12.304	1735	1737	1740	rVV	104765	87981	5.49%	0.383%
42	12.333	1740	1742	1744	rVB2	85104	67391	4.21%	0.294%
43	12.380	1744	1750	1753	rBV	331529	339607	21.21%	1.479%
44	12.416	1753	1756	1758	rVV3	149067	179640	11.22%	0.783%
45	12.439	1758	1760	1762	rVB	110512	81121	5.07%	0.353%
46	12.475	1762	1766	1769	rBV2	170218	217704	13.59%	0.948%
47	12.551	1774	1779	1782	rBV	1374650	1291610	80.65%	5.627%
48	12.586	1782	1785	1787	rBV	62163	62540	3.91%	0.272%
49	12.610	1787	1789	1792	rVB2	72643	53195	3.32%	0.232%
50	12.639	1792	1794	1797	rVB	99987	76368	4.77%	0.333%
51	12.698	1798	1804	1806	rBV4	76559	133690	8.35%	0.582%
52	12.722	1806	1808	1811	rVB3	50371	47561	2.97%	0.207%
53	12.780	1811	1818	1823	rBV	1551163	1601519	100.00%	6.977%
54	12.827	1823	1826	1830	rVB2	129641	154162	9.63%	0.672%
55	12.892	1830	1837	1839	rBV2	99302	167344	10.45%	0.729%
56	12.916	1839	1841	1843	rBV	238718	174871	10.92%	0.762%
57	12.992	1850	1854	1859	rBV3	195637	312115	19.49%	1.360%
58	13.080	1866	1869	1870	rVV3	169299	174893	10.92%	0.762%
59	13.104	1870	1873	1876	rVB	322786	336158	20.99%	1.464%
60	13.145	1876	1880	1882	rBV3	54966	84728	5.29%	0.369%
61	13.169	1882	1884	1887	rVB	177838	148232	9.26%	0.646%
62	13.210	1887	1891	1894	rBV2	276138	267330	16.69%	1.165%
63	13.269	1899	1901	1904	rVV3	49468	67325	4.20%	0.293%
64	13.304	1904	1907	1909	rVV	216583	199926	12.48%	0.871%
65	13.333	1909	1912	1915	rVV	206943	196067	12.24%	0.854%
66	13.510	1934	1942	1943	rBV5	64962	119074	7.44%	0.519%
67	13.527	1943	1945	1948	rVB2	59127	50091	3.13%	0.218%
68	13.592	1953	1956	1958	rVV3	74574	89938	5.62%	0.392%
69	13.616	1958	1960	1964	rVV	178661	197343	12.32%	0.860%
70	13.674	1968	1970	1973	rVV	65657	63547	3.97%	0.277%
71	13.727	1974	1979	1981	rVV2	195017	259993	16.23%	1.133%
72	13.751	1981	1983	1986	rVV	146172	152119	9.50%	0.663%
73	13.780	1986	1988	1993	rVV2	149522	219658	13.72%	0.957%
74	13.827	1993	1996	1999	rVV	167975	173157	10.81%	0.754%
75	13.974	2014	2021	2025	rBV2	924074	1515145	94.61%	6.600%
76	14.010	2025	2027	2033	rVV	775186	665825	41.57%	2.900%

LSC Area Percent Report

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Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.063	2034	2036	2038	rVV2	64240	65295	4.08%	0.284%
78	14.086	2038	2040	2042	rVV	183580	150563	9.40%	0.656%
79	14.127	2045	2047	2053	rVV4	115113	191757	11.97%	0.835%
80	14.192	2057	2058	2060	rVV	61587	54713	3.42%	0.238%
81	14.239	2063	2066	2068	rVB3	57845	54573	3.41%	0.238%
82	14.298	2073	2076	2079	rBV3	51441	60364	3.77%	0.263%
83	14.327	2079	2081	2083	rBV2	71375	66254	4.14%	0.289%
84	14.369	2083	2088	2091	rVV	232147	272505	17.02%	1.187%
85	14.404	2091	2094	2098	rVV	124182	143376	8.95%	0.625%
86	14.439	2098	2100	2102	rVV	55140	70623	4.41%	0.308%
87	14.463	2102	2104	2106	rVV	99291	89638	5.60%	0.390%
88	14.492	2106	2109	2111	rVV	151139	147993	9.24%	0.645%
89	14.516	2111	2113	2116	rVB	107621	90728	5.67%	0.395%
90	14.686	2139	2142	2143	rBV3	50556	51901	3.24%	0.226%
91	14.863	2169	2172	2175	rBV3	87649	112821	7.04%	0.491%
92	15.027	2195	2200	2203	rBV	670248	1049947	65.56%	4.574%
93	15.127	2214	2217	2222	rVB	152992	169827	10.60%	0.740%
94	15.327	2247	2251	2257	rVB	428160	545870	34.08%	2.378%
95	15.392	2257	2262	2266	rBV	599671	719733	44.94%	3.135%
96	15.451	2268	2272	2275	rBV	244233	315218	19.68%	1.373%
97	15.480	2275	2277	2283	rVB2	179103	226024	14.11%	0.985%
98	16.004	2364	2366	2371	rVB2	54174	68563	4.28%	0.299%
99	16.915	2516	2521	2529	rVB2	240715	454811	28.40%	1.981%
100	17.362	2591	2597	2608	rVB	171988	374037	23.36%	1.629%

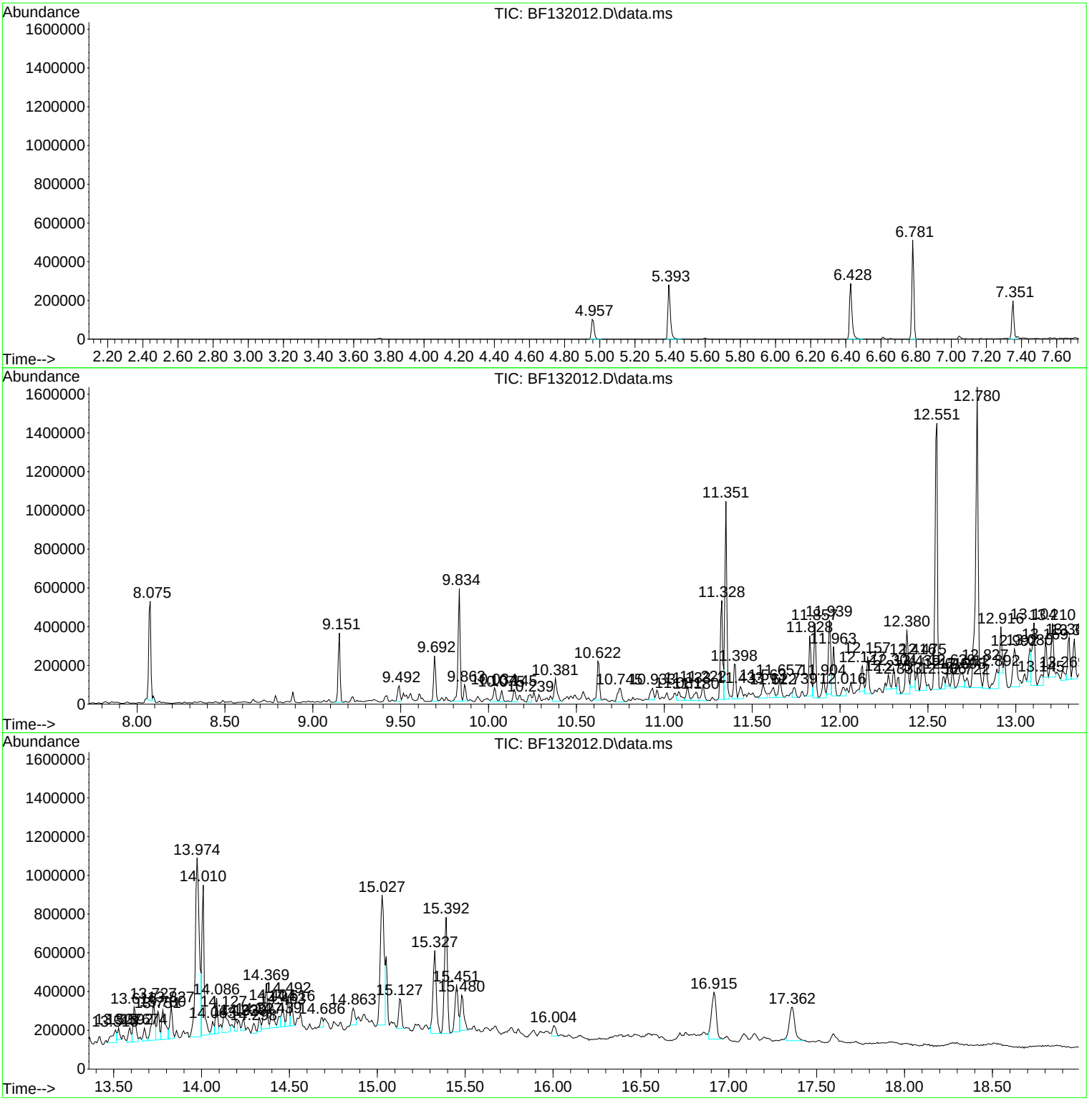
Sum of corrected areas: 22955723

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
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Instrument :
BNA_F
ClientSampleId :
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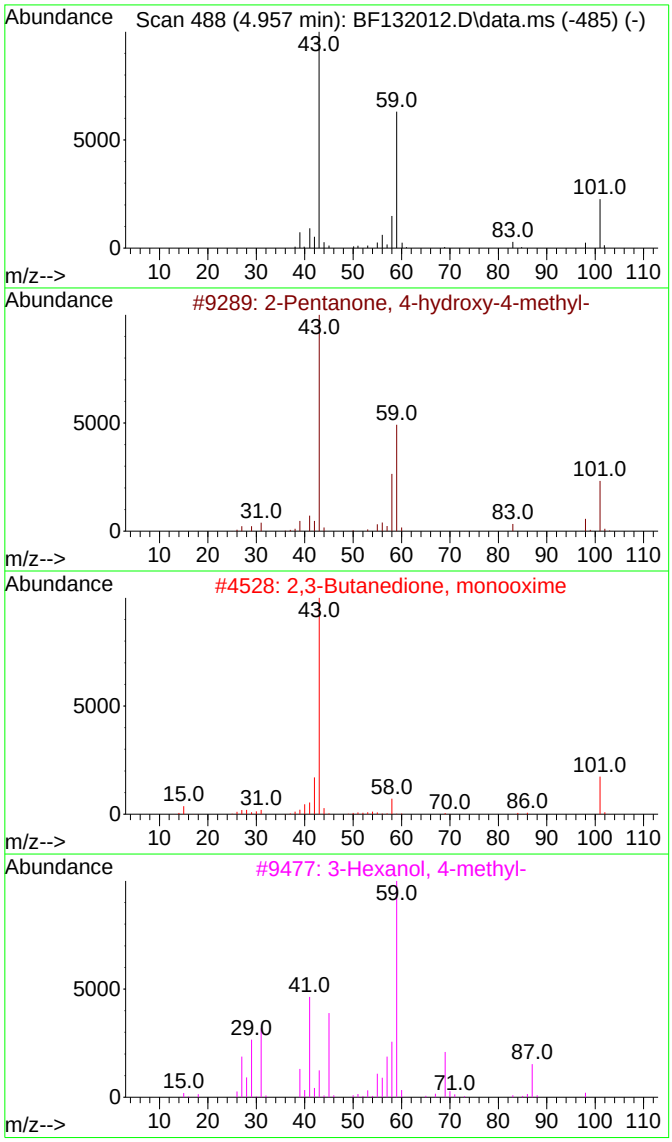
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

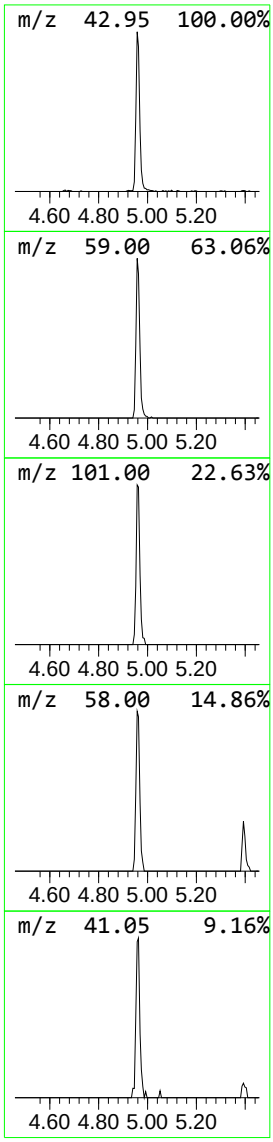
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.957	5.45 ng	108582	1,4-Dichlorobenzene-d4	6.781

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	72
2	2,3-Butanedione, monooxime	101	C4H7NO2	000057-71-6	38
3	3-Hexanol, 4-methyl-	116	C7H16O	000615-29-2	28
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	17
5	Butane, 1-ethoxy-	102	C6H14O	000628-81-9	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

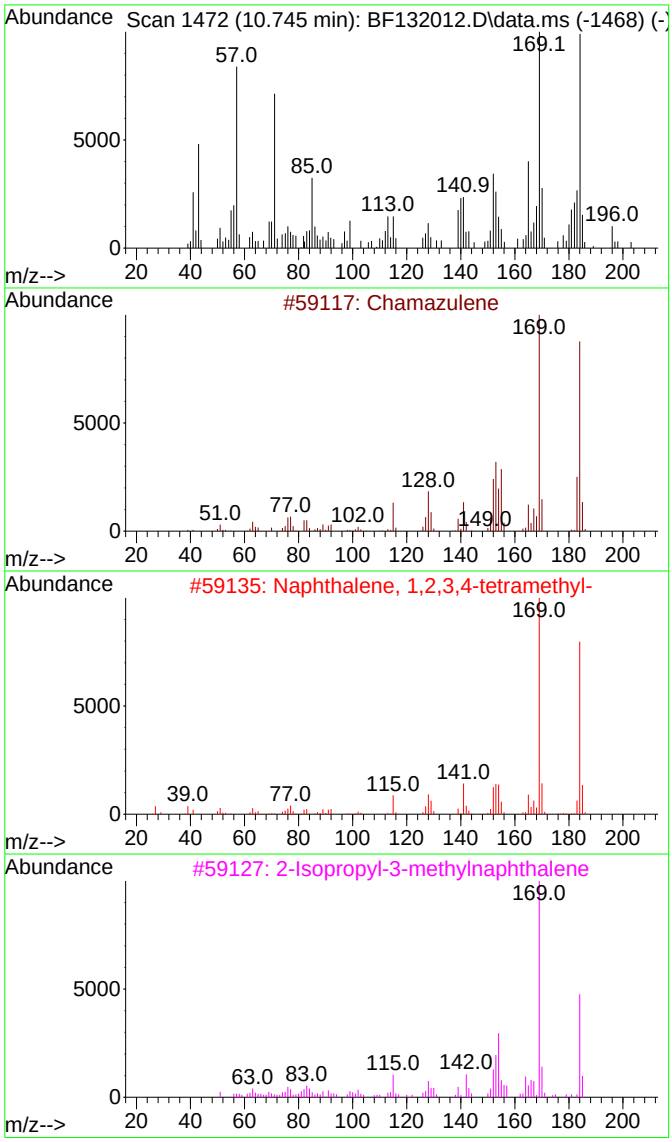
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

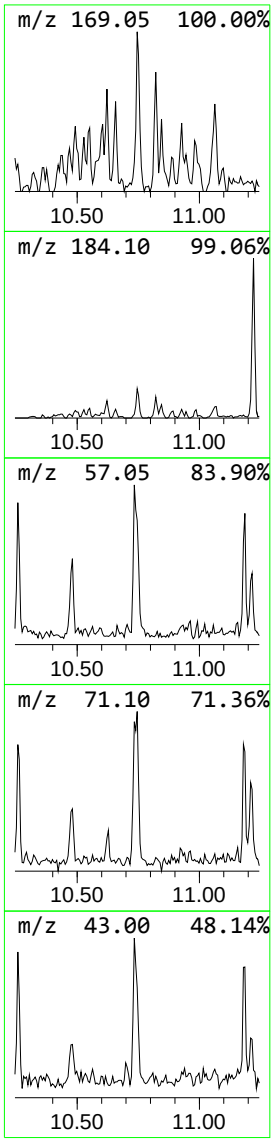
****

Peak Number 2 Chamazulene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.745	4.51 ng	111848	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chamazulene	184	C14H16	000529-05-5	70
2	Naphthalene, 1,2,3,4-tetramethyl-	184	C14H16	003031-15-0	60
3	2-Isopropyl-3-methylnaphthalene	184	C14H16	1000383-71-2	60
4	1,4,5,8-Tetramethylnaphthalene	184	C14H16	002717-39-7	58
5	[1,1'-Biphenyl]-4-methanol	184	C13H12O	003597-91-9	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
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Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

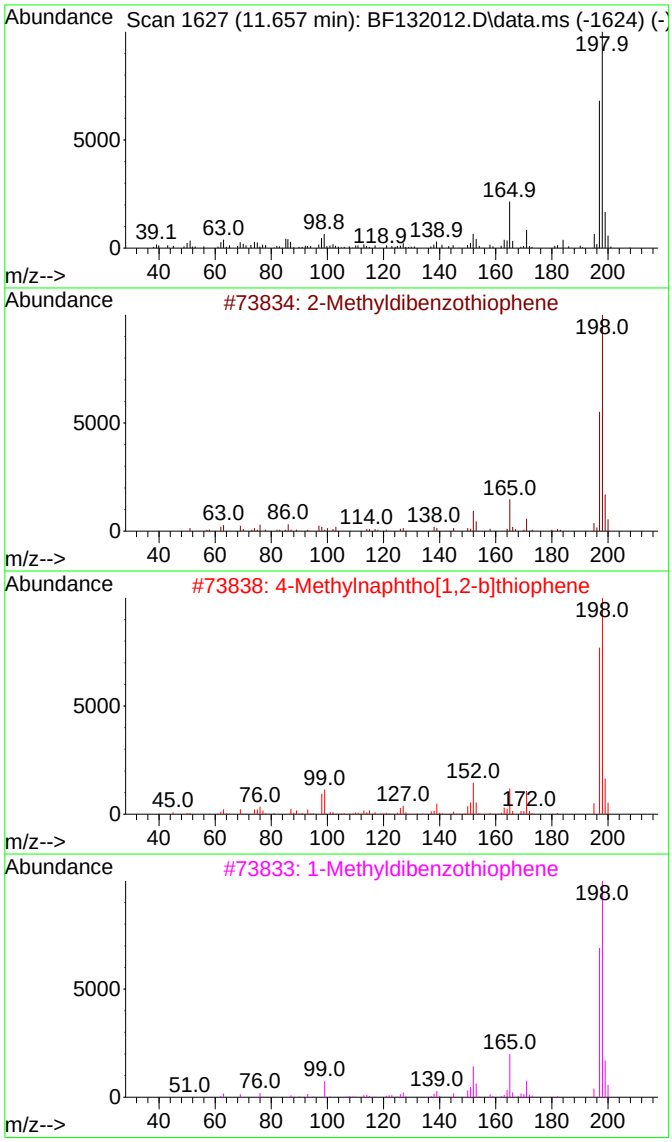
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

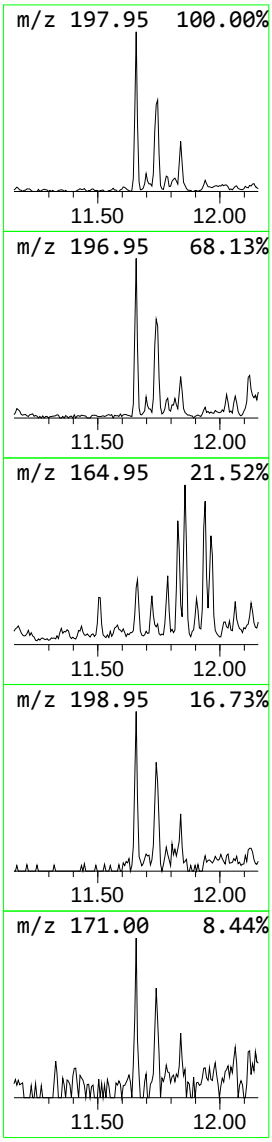
****

Peak Number 3 2-Methyldibenzothiophene Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.657	3.91 ng	97055	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	95
2	4-Methylnaphtho[1,2-b]thiophene	198	C13H10S	067388-11-8	93
3	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	91
4	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	87
5	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

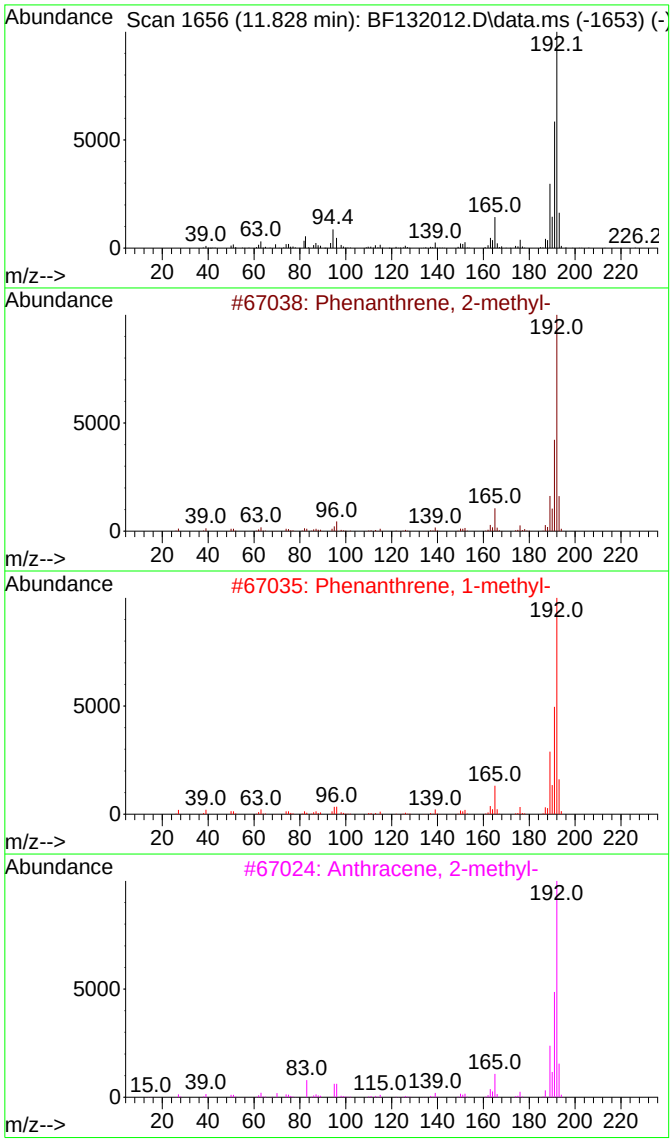
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

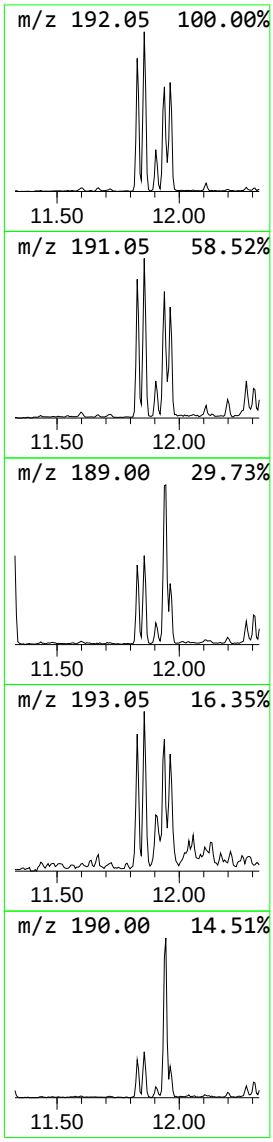
****

Peak Number 4 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.828	11.32 ng	280831	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

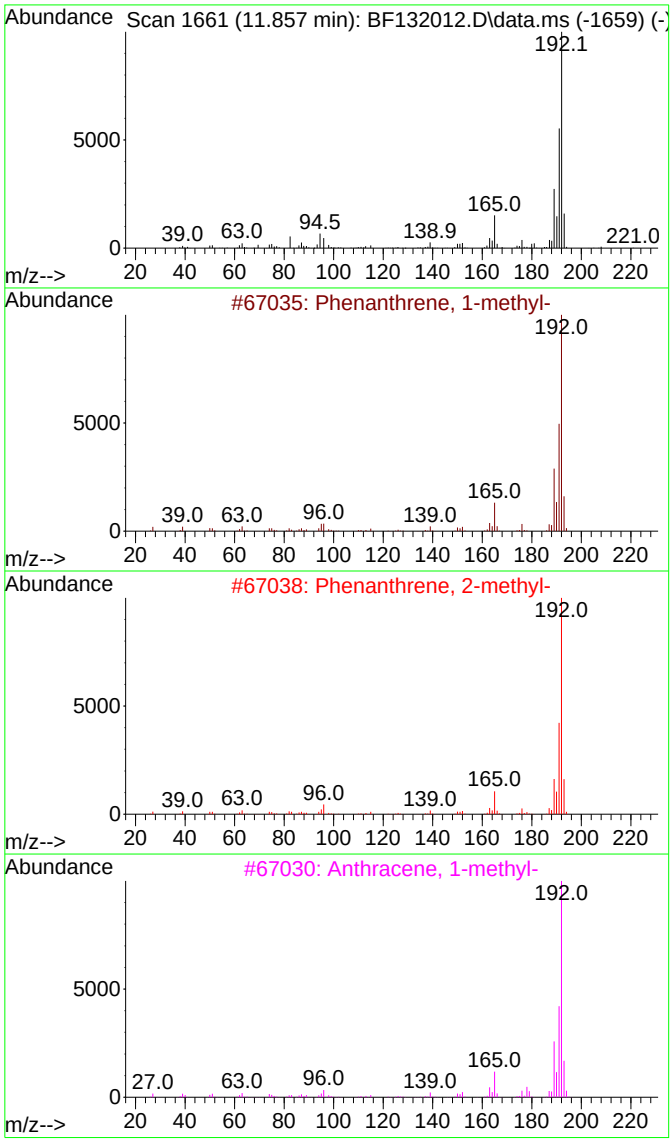
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

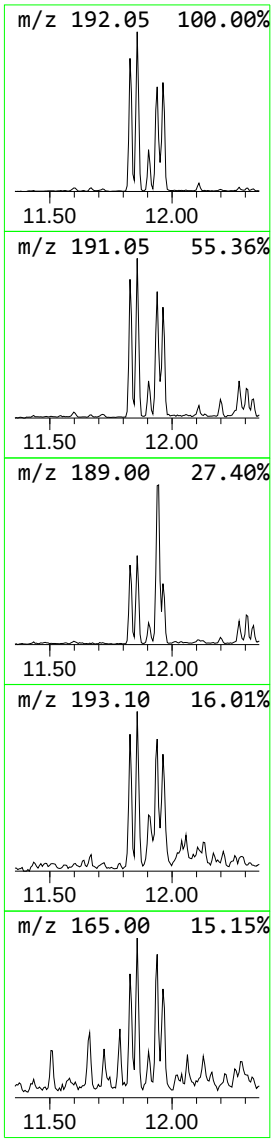
****

Peak Number 5 Phenanthrene, 1-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.857	12.59 ng	312284	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 9-methyl-	192	C15H12	000779-02-2	93





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Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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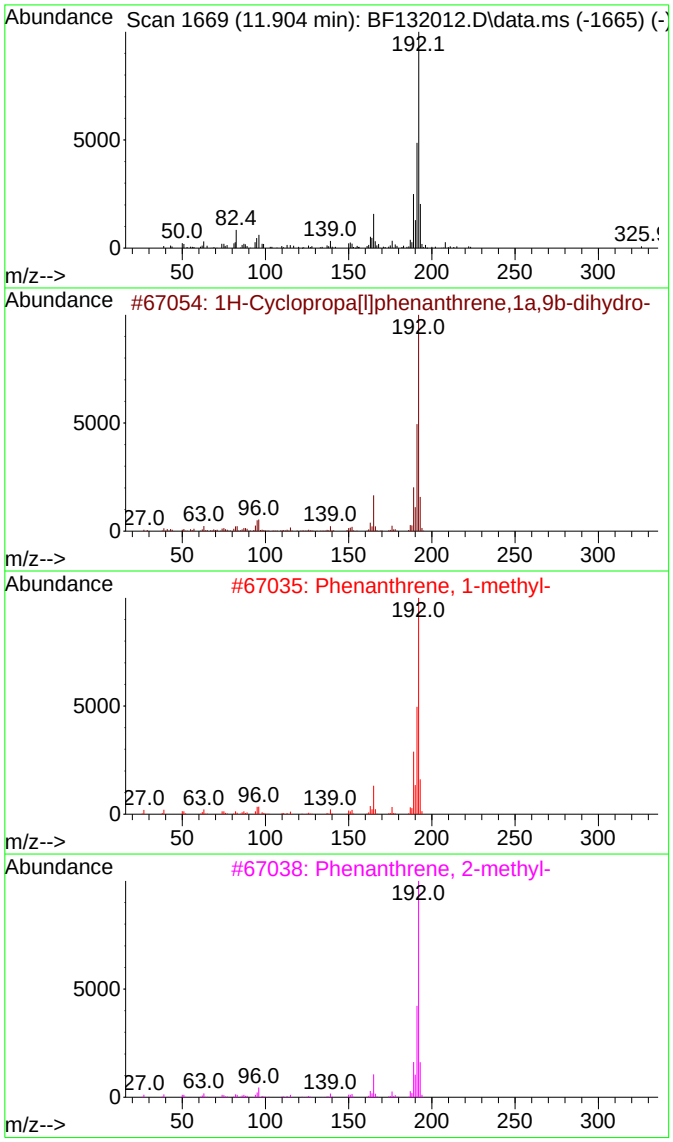
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

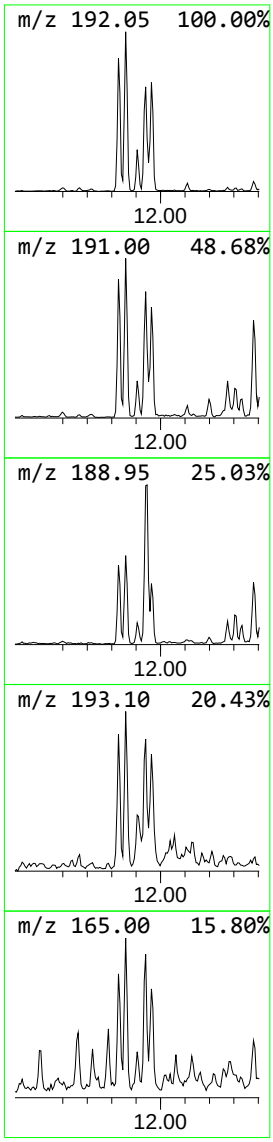
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 1H-Cyclopropa[l]phenanthren... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.904	4.40 ng	109095	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	97
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
4	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	96
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95





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

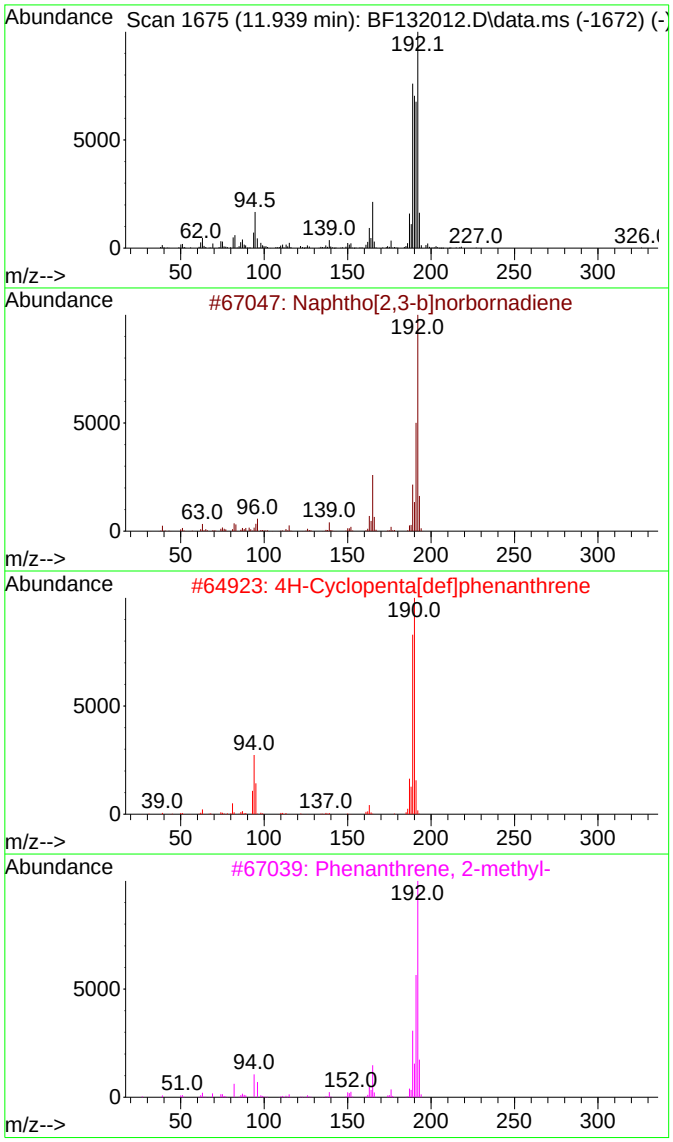
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

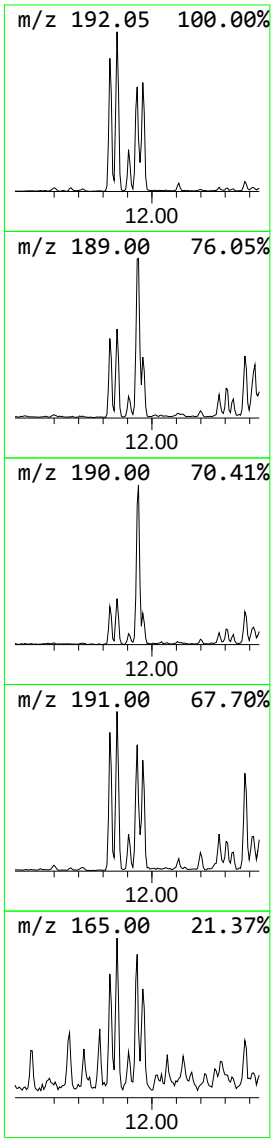
****

Peak Number 7 Naphtho[2,3-b]norbornadiene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	15.09 ng	374343	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]norbornadiene	192	C15H12	107426-38-0	55
2	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
3	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	53
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	50
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	50





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Misc :
ALS Vial : 18 Sample Multiplier: 1

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

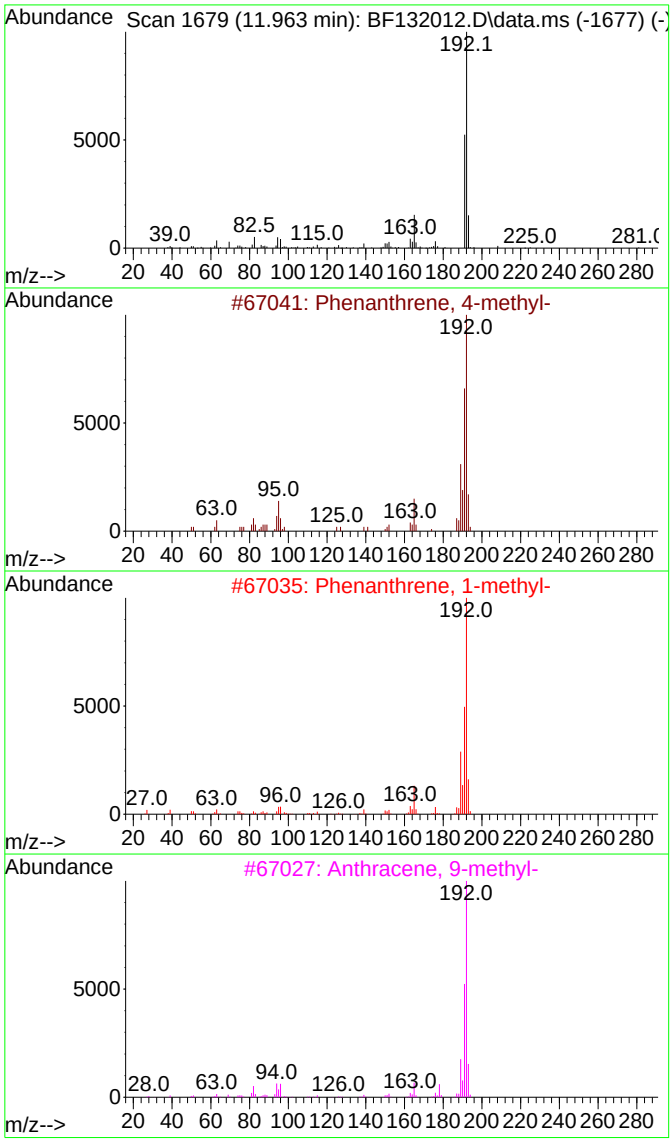
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

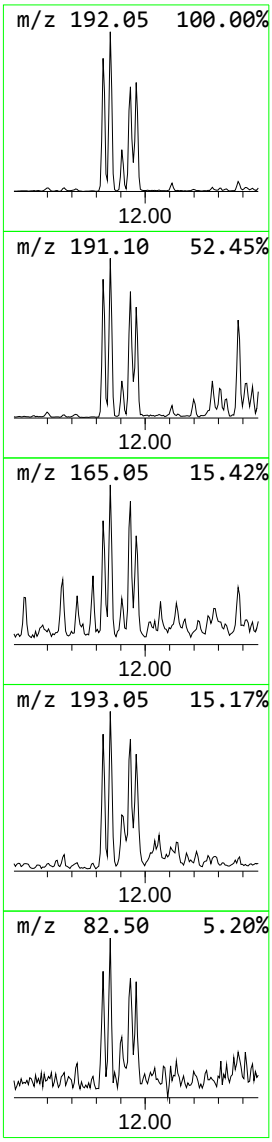
****

Peak Number 8 Phenanthrene, 4-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	8.70 ng	215779	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 9-methyl-	192	C15H12	000779-02-2	91
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	91





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Sample : 01033-01 5X
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ALS Vial : 18 Sample Multiplier: 1

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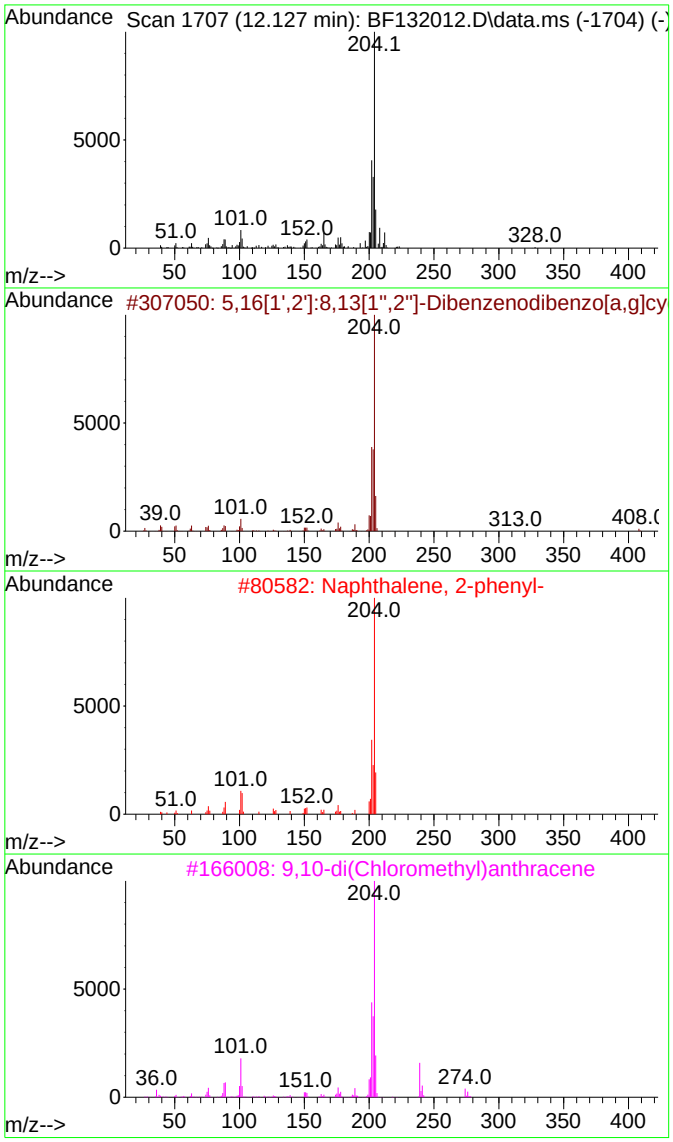
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

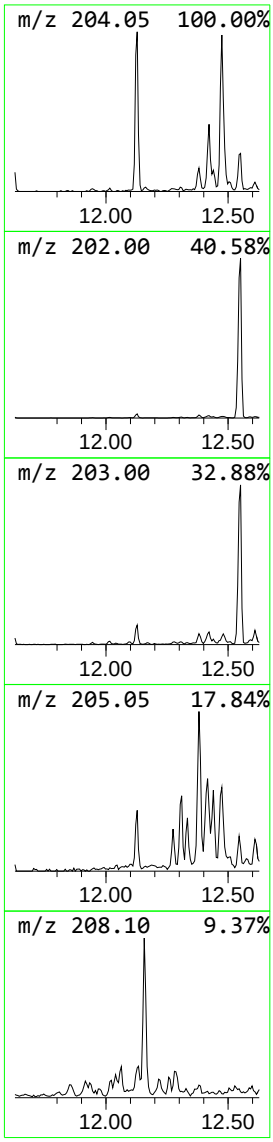
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.128	5.16 ng	128000	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	83
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	78
3	9,10-di(Chloromethyl)anthracene	274	C16H12Cl2	010387-13-0	72
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	64
5	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	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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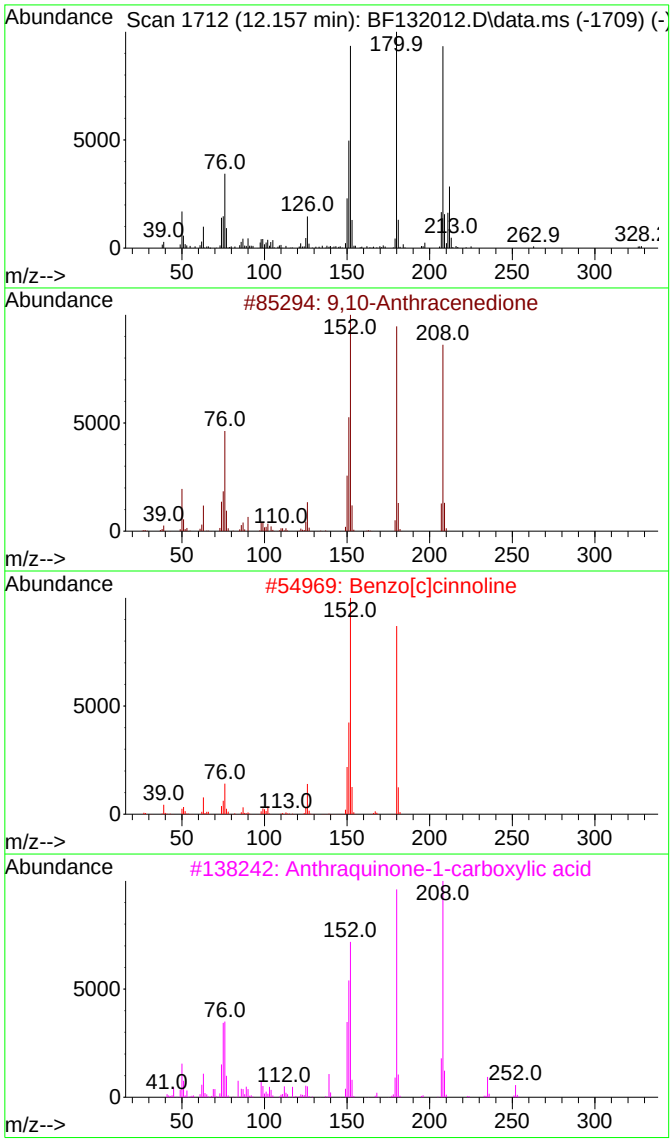
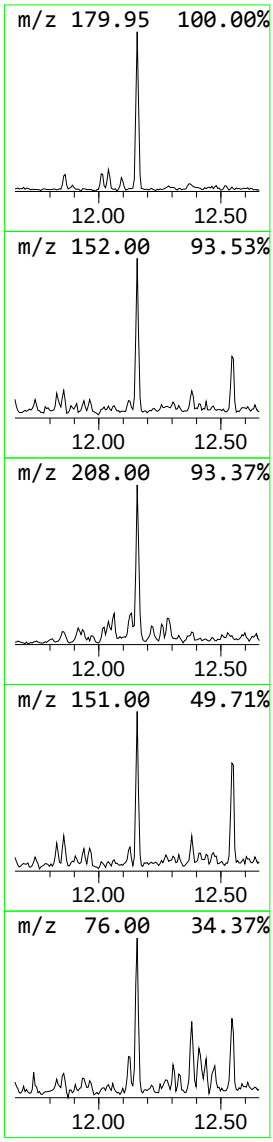
Peak Number 10 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.157	6.95 ng	172461	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	95
3	Anthraquinone-1-carboxylic acid	252	C15H8O4	000602-69-7	80
4	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	78
5	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	70





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

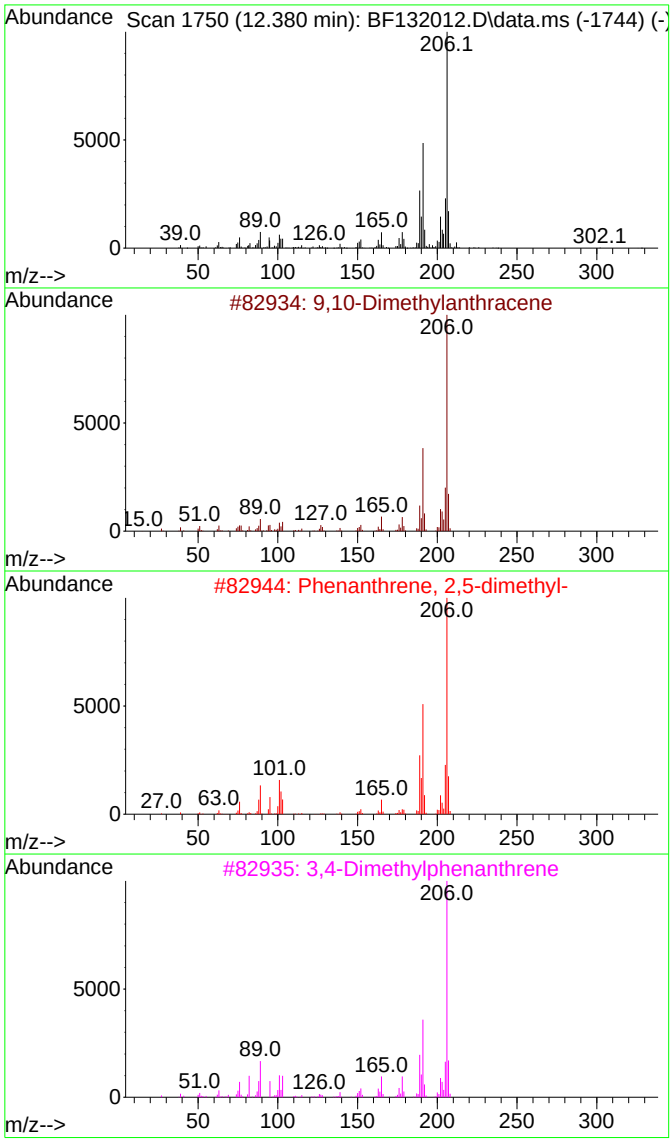
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

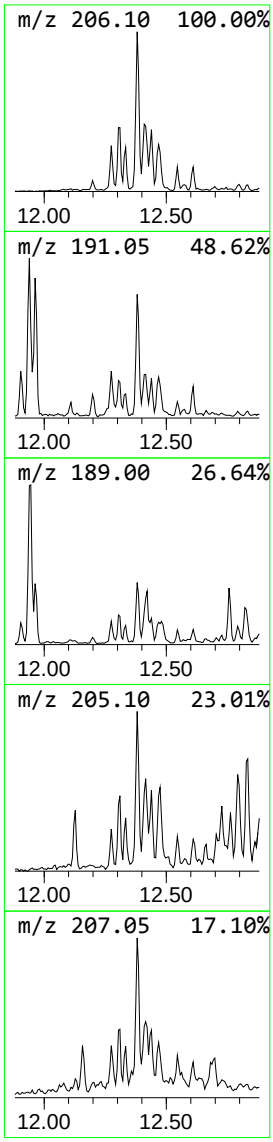
****

Peak Number 11 9,10-Dimethylanthracene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.380	13.69 ng	339607	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Dimethylanthracene	206	C16H14	000781-43-1	96
2	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
3	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	93
4	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91





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Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

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

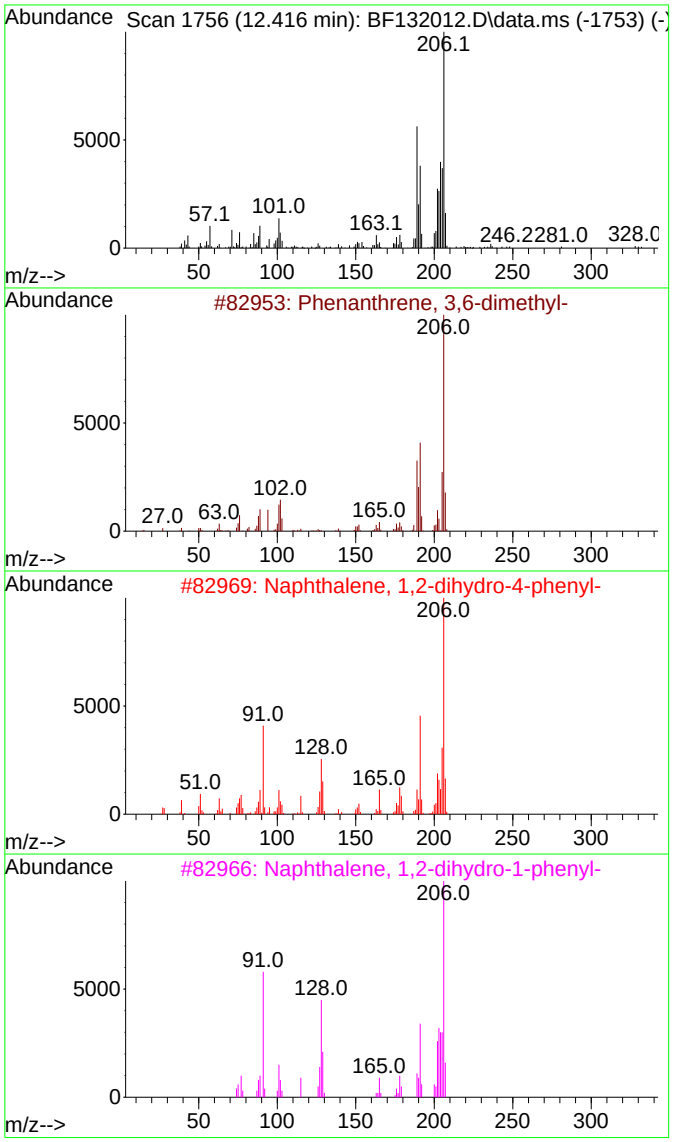
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

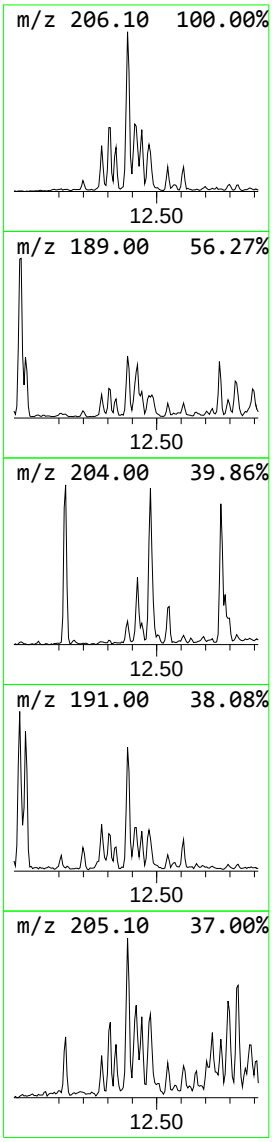
****

Peak Number 12 Phenanthrene, 3,6-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.416	7.24 ng	179640	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	83
2	Naphthalene, 1,2-dihydro-4-phenyl-	206	C16H14	007469-40-1	60
3	Naphthalene, 1,2-dihydro-1-phenyl-	206	C16H14	016606-46-5	55
4	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	52
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	49





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ALS Vial : 18 Sample Multiplier: 1

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

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

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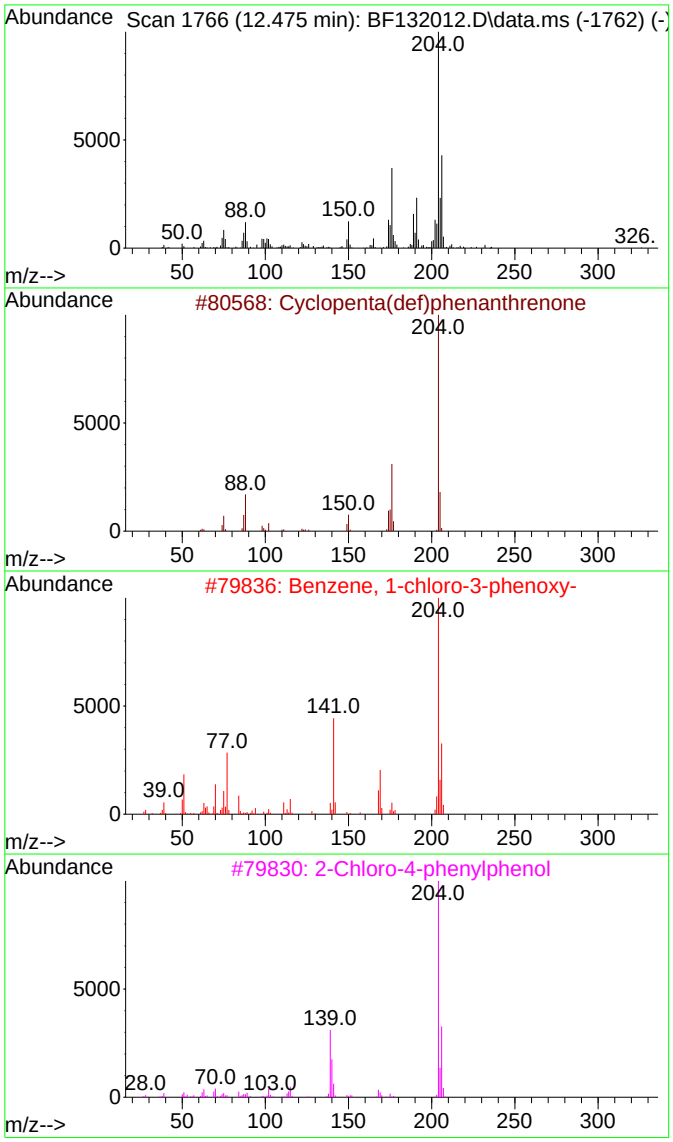
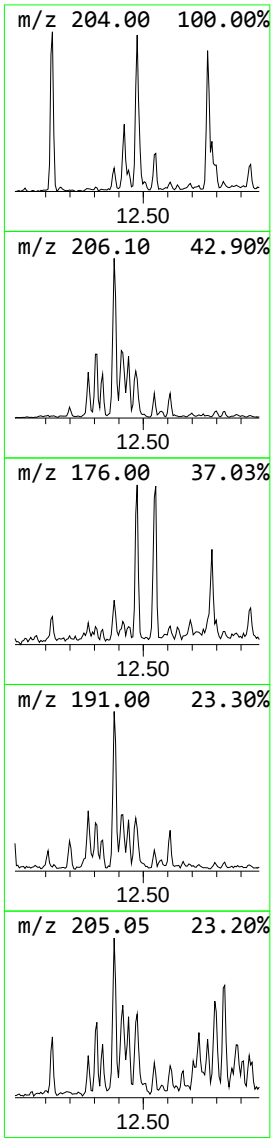
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.475	8.78 ng	217704	Phenanthrene-d10	11.328

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	70
2	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	50
3	2-Chloro-4-phenylphenol	204	C12H9ClO	000092-04-6	47
4	L-Rhamnose, (R,R,S,S)-, 4TMS der...	452	C18H44O5Si4	108392-01-4	47
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





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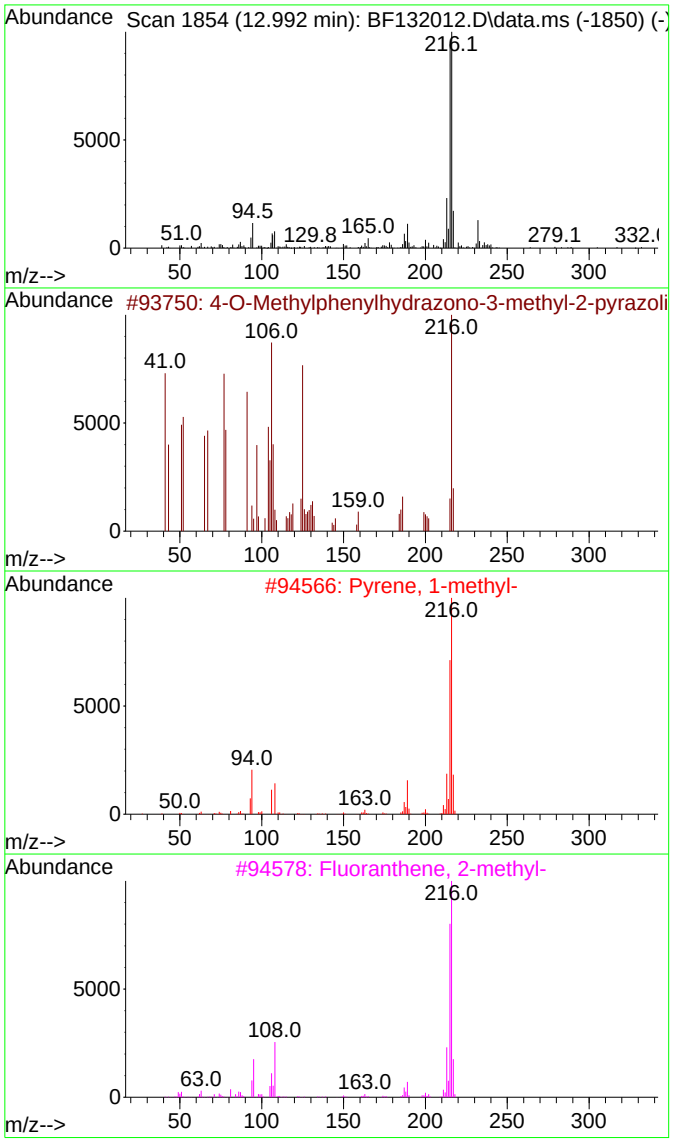
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

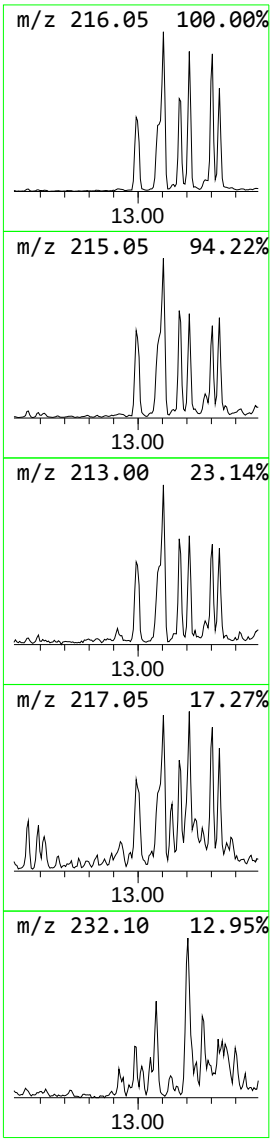
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4-O-Methylphenylhydrazono-3... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.992	4.12 ng	312115	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4-O-Methylphenylhydrazono-3-meth...	216	C11H12N4O	065078-60-6	94
2	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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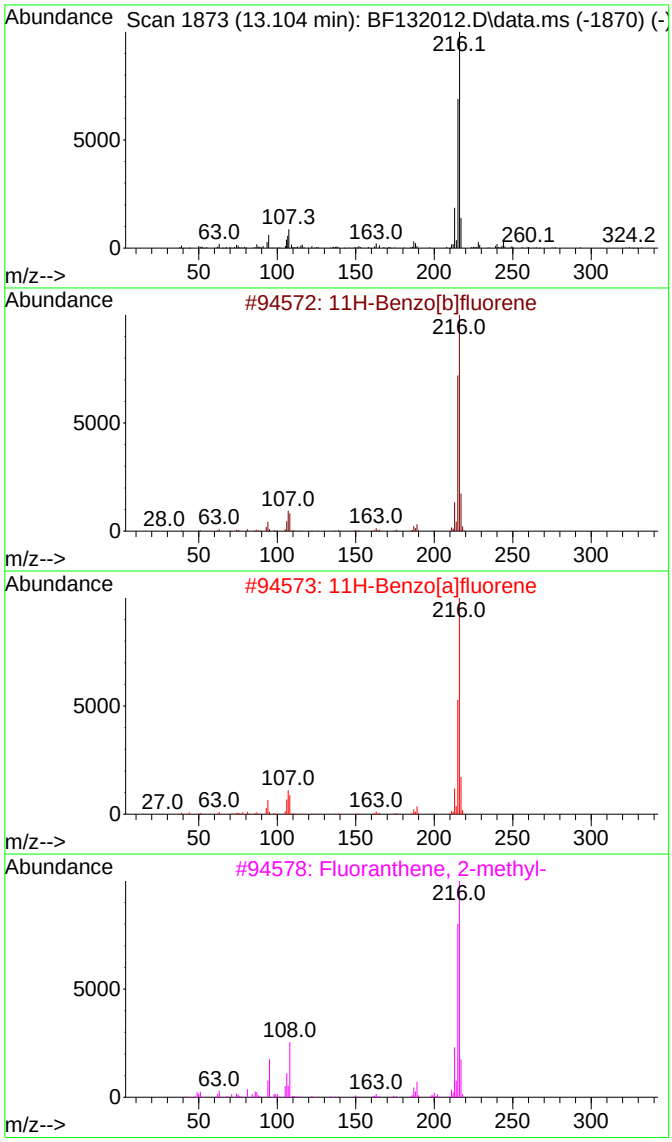
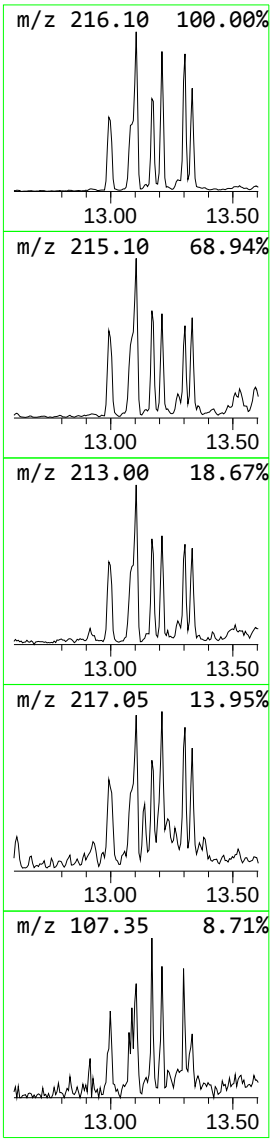
Peak Number 15 11H-Benzo[b]fluorene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	4.44 ng	336158	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	94
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	90
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	80
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	78
5	2-[3-Pyridyl]methylene-3-quinucl...	216	C13H16N2O	273748-56-4	72





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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
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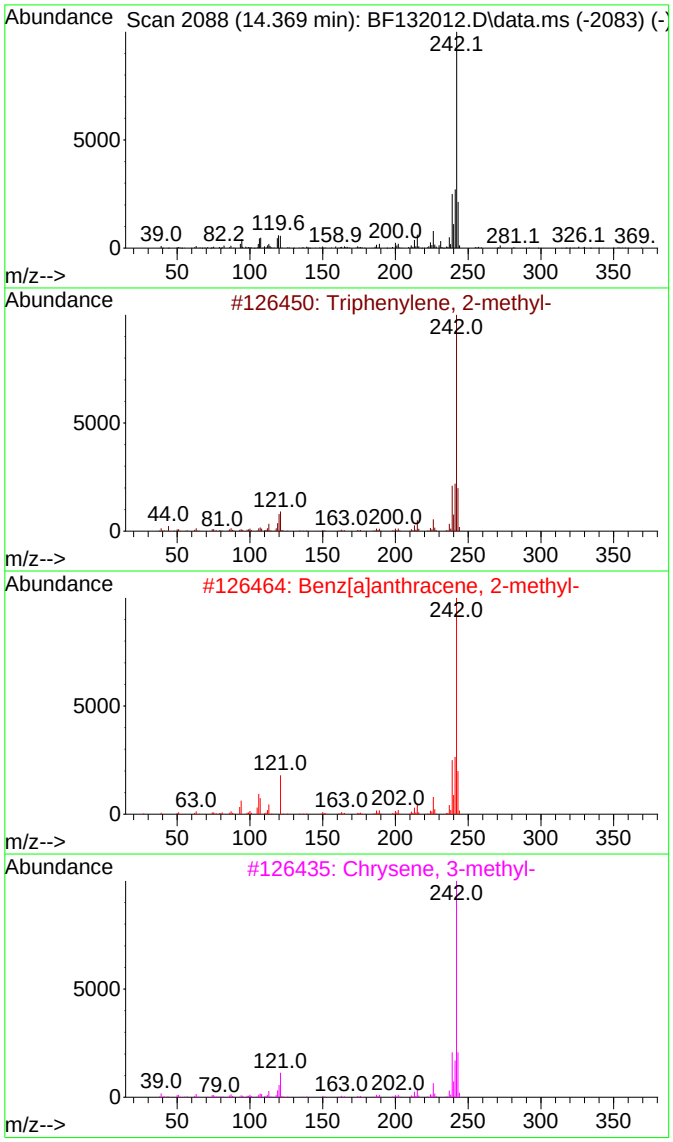
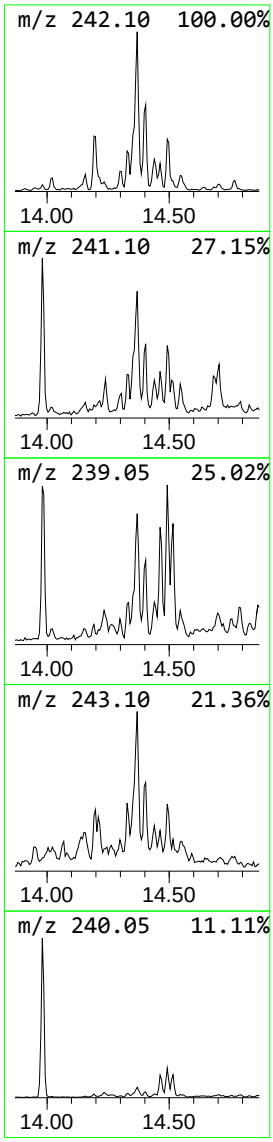
Peak Number 16 Triphenylene, 2-methyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.368	3.60 ng	272505	Chrysene-d12	13.980

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	90
2	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	89
3	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89
4	Chrysene, 5-methyl-	242	C19H14	003697-24-3	89
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	87





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Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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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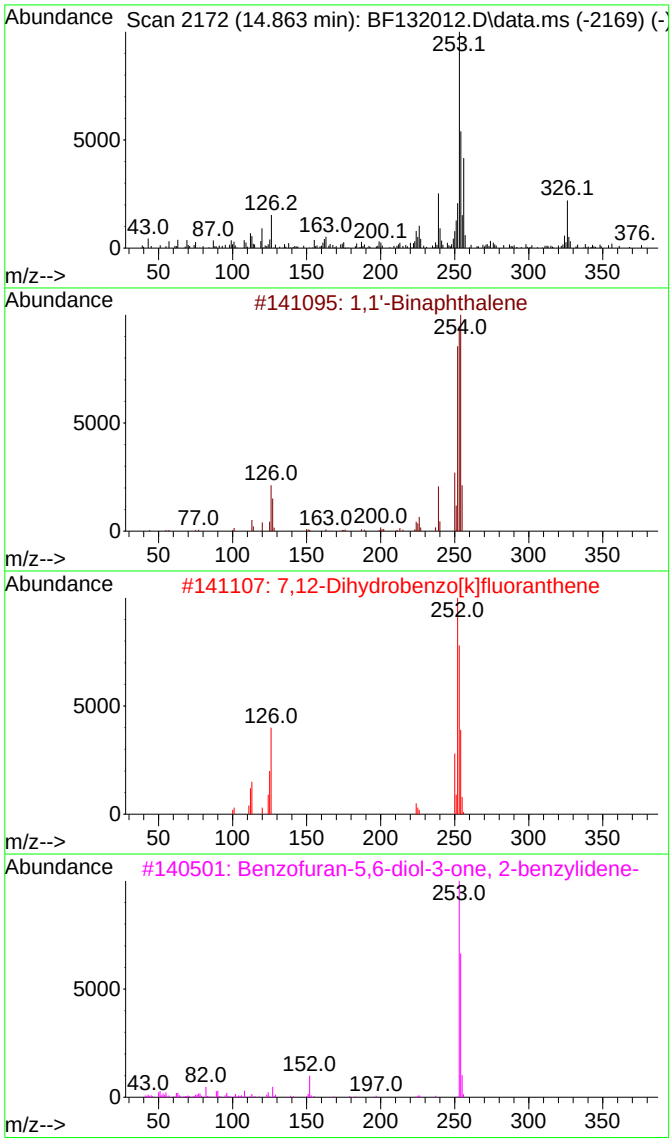
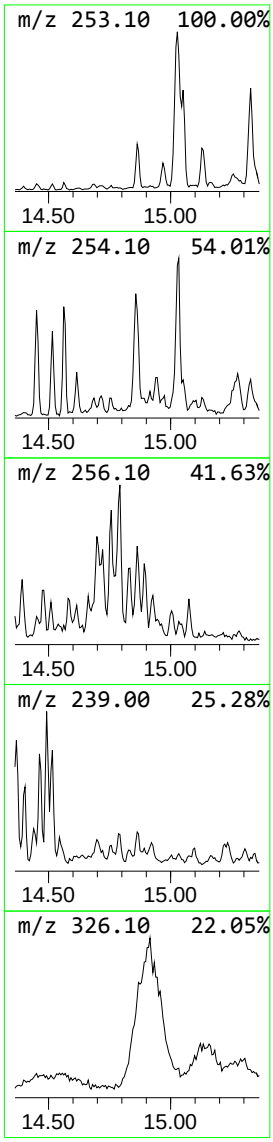
Peak Number 17 unknown14.863 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.863	7.16 ng	112821	Perylene-d12	15.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,1'-Binaphthalene	254	C20H14	000604-53-5	46
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	45
3	Benzofuran-5,6-diol-3-one, 2-ben...	254	C15H10O4	1000128-65-2	43
4	Ergoline-8-methanol, 8,9-didehyd...	254	C16H18N2O	000548-43-6	43
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	38





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TIC Library : C:\Database\NIST20.L
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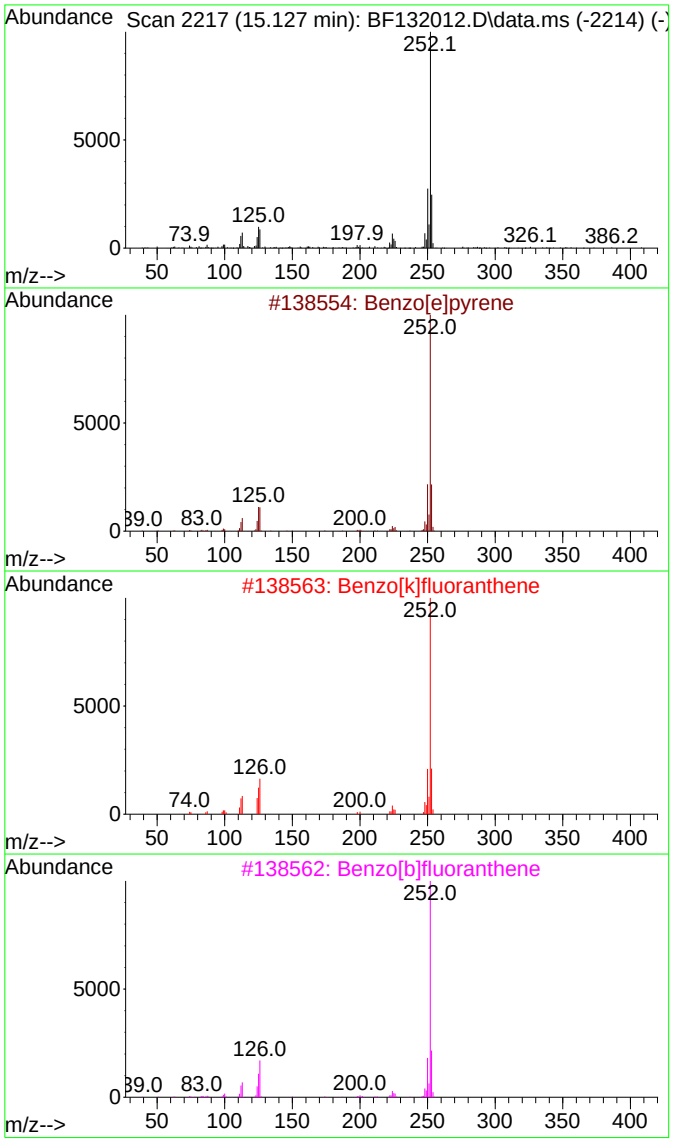
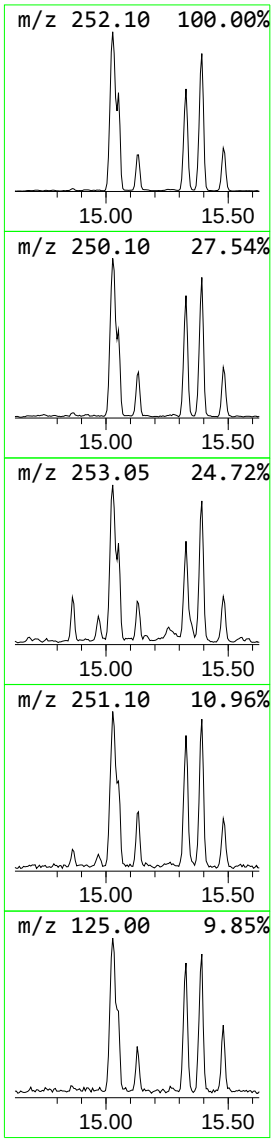
Peak Number 18 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.127	10.78 ng	169827	Perylene-d12	15.451

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	91
5	Perylene	252	C20H12	000198-55-0	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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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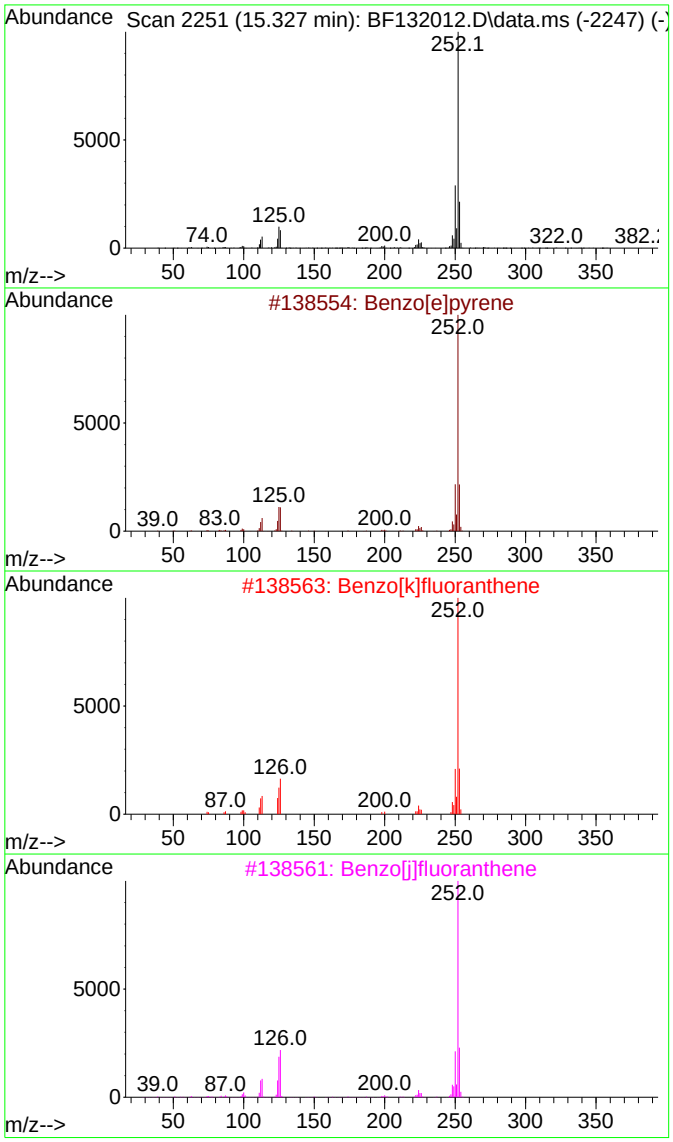
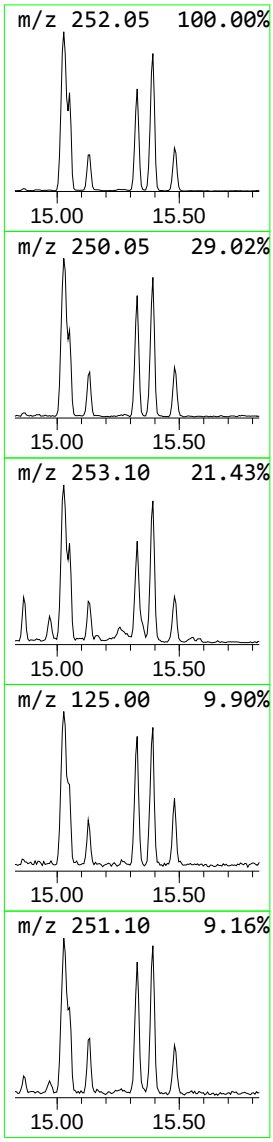
Peak Number 19 Benzo[j]fluoranthene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.327	34.63 ng	545870	Perylene-d12	15.451

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[j]fluoranthene	252	C20H12	000205-82-3	95
4	Perylene	252	C20H12	000198-55-0	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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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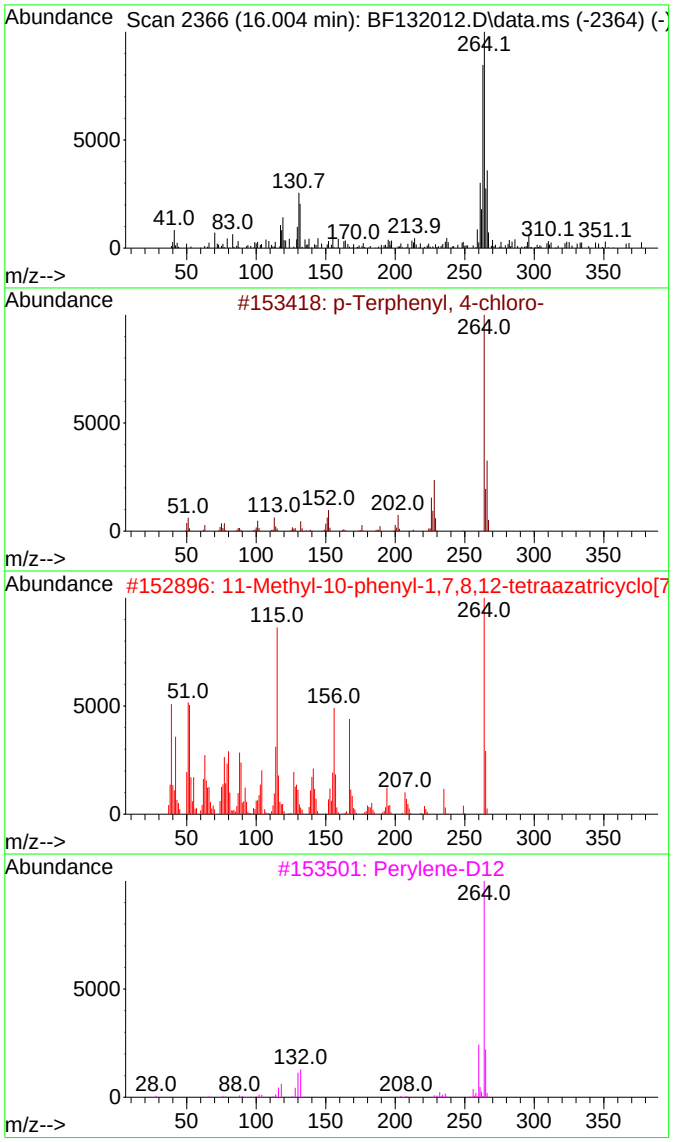
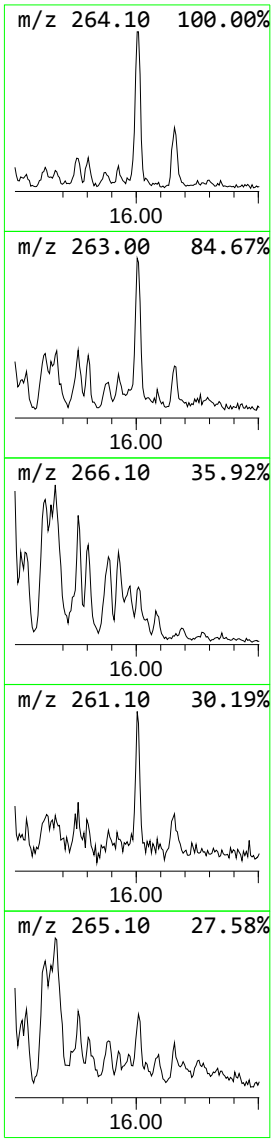
Peak Number 20 unknown16.004 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.004	4.35 ng	68563	Perylene-d12	15.451

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Terphenyl, 4-chloro-	264	C18H13Cl	001762-83-0	27
2	11-Methyl-10-phenyl-1,7,8,12-tet...	264	C15H12N4O	1000387-98-4	25
3	Perylene-D12	264	C20D12	001520-96-3	25
4	2-Oxo-6-phenyl-4-(4-hydroxypheny...	264	C16H12N2O2	161200-20-0	22
5	Ethanone, 1-[4-(methyltelluro)ph...	264	C9H10OTe	032294-61-4	22





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF011023\
Data File : BF132012.D
Acq On : 10 Jan 2023 23:40
Operator : CG\JU
Sample : 01033-01 5X
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
VNJ-228

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF010923.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-...	4.957	5.5	ng	108582	1	6.781	398514	20.0
Chamazulene	10.745	4.5	ng	111848	4	11.328	496130	20.0
2-Methyldibenzo...	11.657	3.9	ng	97055	4	11.328	496130	20.0
Phenanthrene, 2...	11.828	11.3	ng	280831	4	11.328	496130	20.0
Phenanthrene, 1...	11.857	12.6	ng	312284	4	11.328	496130	20.0
1H-Cyclopropa[l...	11.904	4.4	ng	109095	4	11.328	496130	20.0
Naphtho[2,3-b]n...	11.939	15.1	ng	374343	4	11.328	496130	20.0
Phenanthrene, 4...	11.963	8.7	ng	215779	4	11.328	496130	20.0
5,16[1',2']:8,1...	12.128	5.2	ng	128000	4	11.328	496130	20.0
9,10-Anthracene...	12.157	7.0	ng	172461	4	11.328	496130	20.0
9,10-Dimethylan...	12.380	13.7	ng	339607	4	11.328	496130	20.0
Phenanthrene, 3...	12.416	7.2	ng	179640	4	11.328	496130	20.0
Cyclopenta(def)...	12.475	8.8	ng	217704	4	11.328	496130	20.0
4-O-Methylpheny...	12.992	4.1	ng	312115	5	13.980	1515150	20.0
11H-Benzo[b]flu...	13.104	4.4	ng	336158	5	13.980	1515150	20.0
Triphenylene, 2...	14.368	3.6	ng	272505	5	13.980	1515150	20.0
unknown14.863	14.863	7.2	ng	112821	6	15.451	315218	20.0
Benzo[e]pyrene	15.127	10.8	ng	169827	6	15.451	315218	20.0
Benzo[j]fluoran...	15.327	34.6	ng	545870	6	15.451	315218	20.0
unknown16.004	16.004	4.3	ng	68563	6	15.451	315218	20.0