LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123475.D
Acq On : 25 Mar 2021 22:32
Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-032421

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF123475.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.504	577	581	585	rBV	929585	765410	6.01%	0.508%
2	6.516	749	753	759	rVB	874690	806063	6.33%	0.535%
3	6.898	814	818	822	rBV	1728732	1412490	11.09%	0.938%
4	7.451	905	912	916	rBV	551207	518603	4.07%	0.344%
5	8.186	1031	1037	1039	rBV	2177002	2157229	16.94%	1.433%
6	8.210	1039	1041	1044	rVV	2301352	1742646	13.68%	1.157%
7	8.780	1134	1138	1142	rBV	369217	301329	2.37%	0.200%
8	8.898	1155	1158	1162	rVB	1426810	1130621	8.88%	0.751%
9	8.998	1170	1175	1179	rBV	1005559	810068	6.36%	0.538%
10	9.263	1216	1220	1223	rBV	965353	850714	6.68%	0.565%
11	9.345	1230	1234	1235	rBV	505580	389178	3.06%	0.258%
12	9.363	1235	1237	1240	rVB	482270	363632	2.86%	0.241%
13	9.522	1258	1264	1269	rBV2	443335	608953	4.78%	0.404%
14	9.598	1272	1277	1280	rVV	577935	637012	5.00%	0.423%
15	9.627	1280	1282	1285	rVV	456006	347188	2.73%	0.231%
16	9.669	1285	1289	1291	rVV4	199496	249601	1.96%	0.166%
17	9.722	1295	1298	1302	rVB2	282530	333432	2.62%	0.221%
18	9.804	1309	1312	1317	rVB	449542	391816	3.08%	0.260%
19	9.874	1321	1324	1329	rVV	476214	393374	3.09%	0.261%
20	9.922	1329	1332	1333	rVV2	321807	261829	2.06%	0.174%
21	9.945	1333	1336	1339	rVV	2197413	1798439	14.12%	1.194%
22	9.974	1339	1341	1344	rVV	1887635	1593114	12.51%	1.058%
23	10.151	1367	1371	1374	rVV	2641583	2171458	17.05%	1.442%
24	10.374	1407	1409	1412	rVB	448575	352870	2.77%	0.234%
25	10.498	1425	1430	1433	rBV	4800218	4163312	32.69%	2.765%
26	10.651	1453	1456	1459	rVB	824292	667637	5.24%	0.443%
27	10.727	1464	1469	1474	rVV	1161520	1309679	10.28%	0.870%
28	10.851	1487	1490	1498	rVB2	502544	586829	4.61%	0.390%
29	11.039	1514	1522	1525	rBV2	659092	767737	6.03%	0.510%
30	11.069	1525	1527	1531	rVV	295694	260332	2.04%	0.173%
31	11.127	1533	1537	1540	rVV	259513	282303	2.22%	0.187%
32	11.168	1540	1544	1546	rVV2	244420	264606	2.08%	0.176%
33	11.192	1546	1548	1553	rVV	283456	320503	2.52%	0.213%
34	11.280	1560	1563	1565	rVV	266392	270238	2.12%	0.179%
35	11.304	1565	1567	1569	rVV	354249	315711	2.48%	0.210%
36	11.333	1569	1572	1577	rVB	1086365	1057473	8.30%	0.702%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
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Acq On : 25 Mar 2021 22:32
Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-032421

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.439	1586	1590	1591	rBV	1240237	1406319	11.04%	0.934%
38	11.474	1591	1596	1598	rVV	11027280	12735432	100.00%	8.458%
39	11.516	1598	1603	1606	rVV	4458678	3897738	30.61%	2.589%
40	11.539	1606	1607	1611	rVB2	296973	256675	2.02%	0.170%
41	11.663	1622	1628	1630	rBV	1579252	1325274	10.41%	0.880%
42	11.733	1635	1640	1642	rVV2	533600	590316	4.64%	0.392%
43	11.768	1644	1646	1651	rVV3	210396	271636	2.13%	0.180%
44	11.827	1653	1656	1664	rVB	2946751	2685634	21.09%	1.784%
45	11.939	1669	1675	1677	rBV	1418881	1263774	9.92%	0.839%
46	11.968	1677	1680	1683	rVB	1905965	1602948	12.59%	1.065%
47	12.015	1684	1688	1691	rBV	749440	669577	5.26%	0.445%
48	12.057	1691	1695	1697	rVV	2867370	3156035	24.78%	2.096%
49	12.139	1706	1709	1712	rVB	329879	252343	1.98%	0.168%
50	12.233	1722	1725	1727	rBV	1134187	889084	6.98%	0.590%
51	12.492	1765	1769	1771	rBV	402132	479753	3.77%	0.319%
52	12.521	1771	1774	1776	rBV	5947280	5567230	43.71%	3.697%
53	12.545	1776	1778	1789	rVB	5818289	5240297	41.15%	3.480%
54	12.627	1789	1792	1794	rBV	1215903	1043133	8.19%	0.693%
55	12.668	1794	1799	1802	rVB	9615521	11155595	87.59%	7.409%
56	12.715	1802	1807	1810	rVB2	239271	301759	2.37%	0.200%
57	12.804	1815	1822	1830	rBV2	415143	688035	5.40%	0.457%
58	12.892	1830	1837	1841	rBV2	7172498	11080954	87.01%	7.359%
59	12.933	1841	1844	1849	rVB	509102	531268	4.17%	0.353%
60	13.004	1852	1856	1857	rBV	695394	605441	4.75%	0.402%
61	13.021	1857	1859	1861	rBV	422379	264001	2.07%	0.175%
62	13.104	1867	1873	1875	rBV2	634236	1088436	8.55%	0.723%
63	13.127	1875	1877	1880	rVB	442070	367274	2.88%	0.244%
64	13.186	1880	1887	1889	rBV4	592795	962994	7.56%	0.640%
65	13.215	1889	1892	1895	rVB	2364148	2069628	16.25%	1.375%
66	13.280	1899	1903	1906	rVV	2641835	2298341	18.05%	1.526%
67	13.315	1906	1909	1912	rVB2	898583	935231	7.34%	0.621%
68	13.410	1922	1925	1927	rBV	353252	279933	2.20%	0.186%
69	13.439	1927	1930	1934	rBV2	446895	452593	3.55%	0.301%
70	13.510	1939	1942	1947	rBV5	159321	334340	2.63%	0.222%
71	13.692	1970	1973	1975	rBV2	339752	383156	3.01%	0.254%
72	13.833	1992	1997	1999	rBV	827021	873785	6.86%	0.580%
73	13.862	1999	2002	2004	rVV	851666	741665	5.82%	0.493%
74	13.886	2004	2006	2010	rVB2	645257	761662	5.98%	0.506%
75	14.080	2032	2039	2042	rBV3	5335501	7342089	57.65%	4.876%
76	14.115	2042	2045	2050	rVB	4113688	4518395	35.48%	3.001%

LSC Area Percent Report

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Acq On : 25 Mar 2021 22:32
Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-032421

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-BF032321.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.192	2056	2058	2061	rBV	1002095	799416	6.28%	0.531%
78	14.227	2061	2064	2066	rVV	428423	412101	3.24%	0.274%
79	14.268	2069	2071	2074	rVB	526828	503558	3.95%	0.334%
80	14.304	2074	2077	2081	rBV2	710198	820938	6.45%	0.545%
81	14.409	2091	2095	2097	rBV2	384241	407412	3.20%	0.271%
82	14.433	2097	2099	2101	rVV	329991	357505	2.81%	0.237%
83	14.474	2102	2106	2108	rVV	909742	1120221	8.80%	0.744%
84	14.504	2108	2111	2115	rVV2	519604	597756	4.69%	0.397%
85	14.568	2118	2122	2124	rVV2	780557	985076	7.73%	0.654%
86	14.598	2124	2127	2129	rVV	677358	751650	5.90%	0.499%
87	14.621	2129	2131	2134	rVV	924455	821895	6.45%	0.546%
88	14.657	2134	2137	2145	rVB4	317695	586093	4.60%	0.389%
89	15.156	2215	2222	2224	rBV	2820141	4888742	38.39%	3.247%
90	15.180	2224	2226	2229	rVV	1947478	1705119	13.39%	1.132%
91	15.256	2236	2239	2243	rVB	877644	858777	6.74%	0.570%
92	15.462	2269	2274	2280	rVB	1736191	2495023	19.59%	1.657%
93	15.533	2280	2286	2291	rBV	2602960	3679953	28.90%	2.444%
94	15.586	2291	2295	2298	rVV	781923	1080649	8.49%	0.718%
95	15.621	2298	2301	2308	rVB	915518	1215544	9.54%	0.807%
96	16.162	2390	2393	2398	rVB	238945	309831	2.43%	0.206%
97	17.109	2546	2554	2560	rVB2	912271	1890504	14.84%	1.256%
98	17.280	2580	2583	2588	rVB	191717	297542	2.34%	0.198%
99	17.562	2624	2631	2648	rVB	650193	1532418	12.03%	1.018%
100	17.797	2666	2671	2676	rVB	232449	431886	3.39%	0.287%

Sum of corrected areas: 150572811

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Misc :
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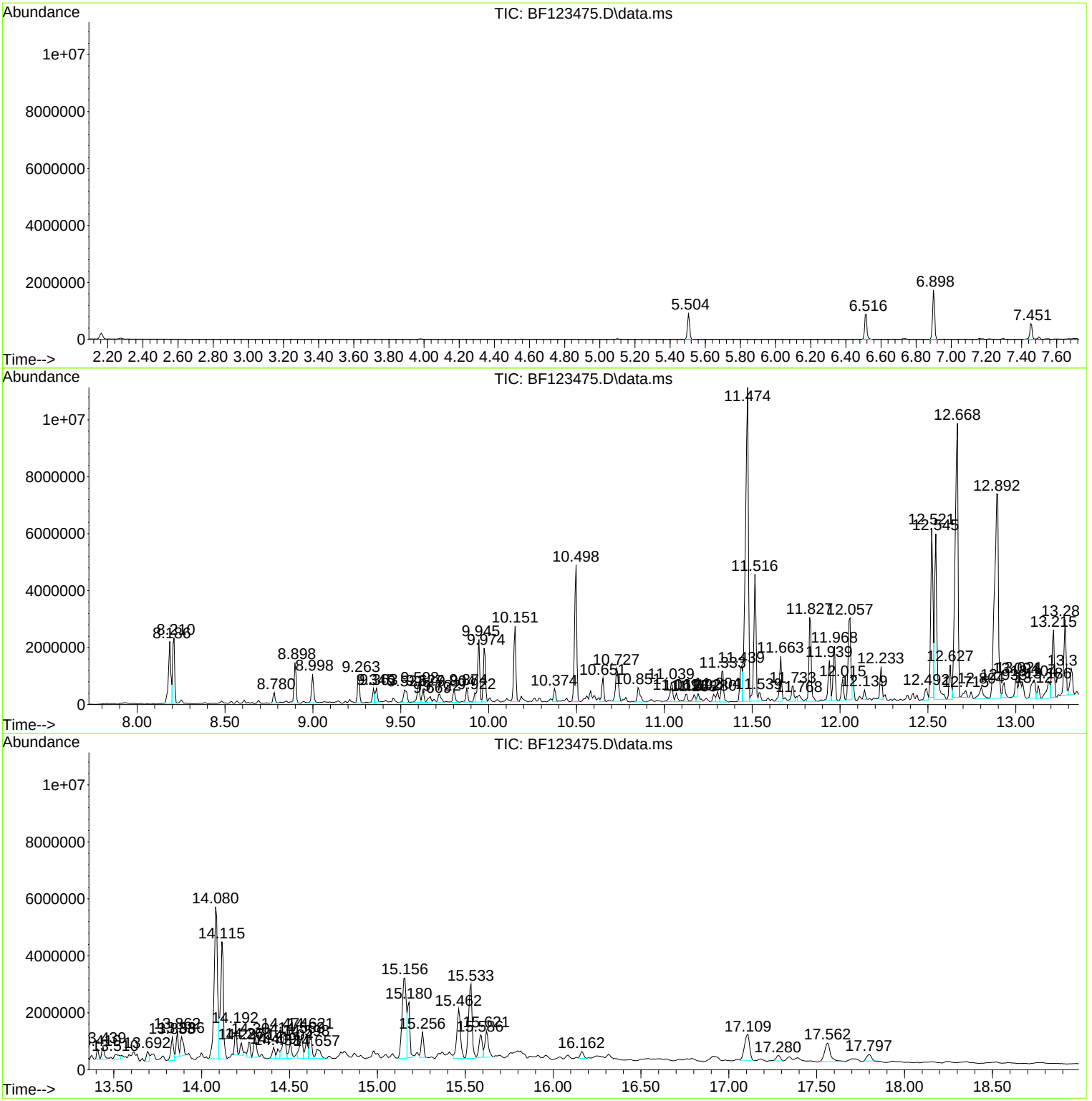
Instrument :
BNA_F
ClientSampleId :
SU-04-032421

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
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Instrument :
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ClientSampleId :
SU-04-032421

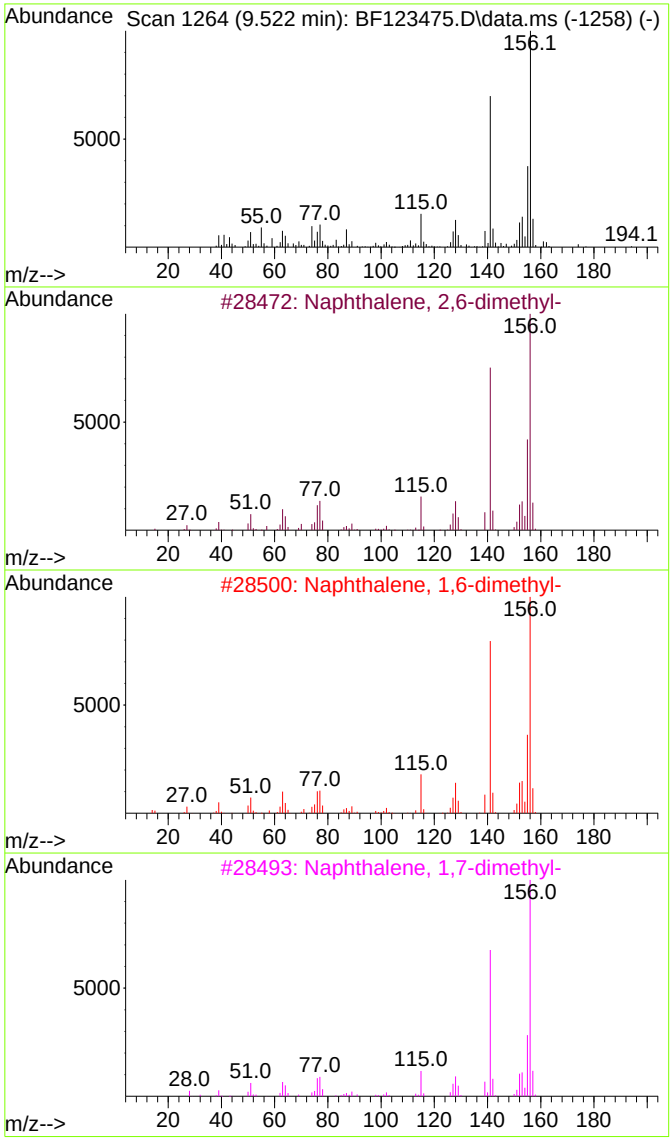
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

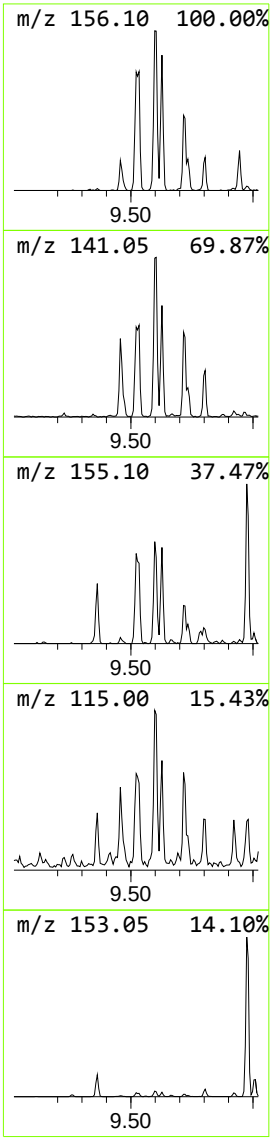
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	6.77 ng	608953	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	97
4	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
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Misc :
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Instrument :
BNA_F
ClientSampleId :
SU-04-032421

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

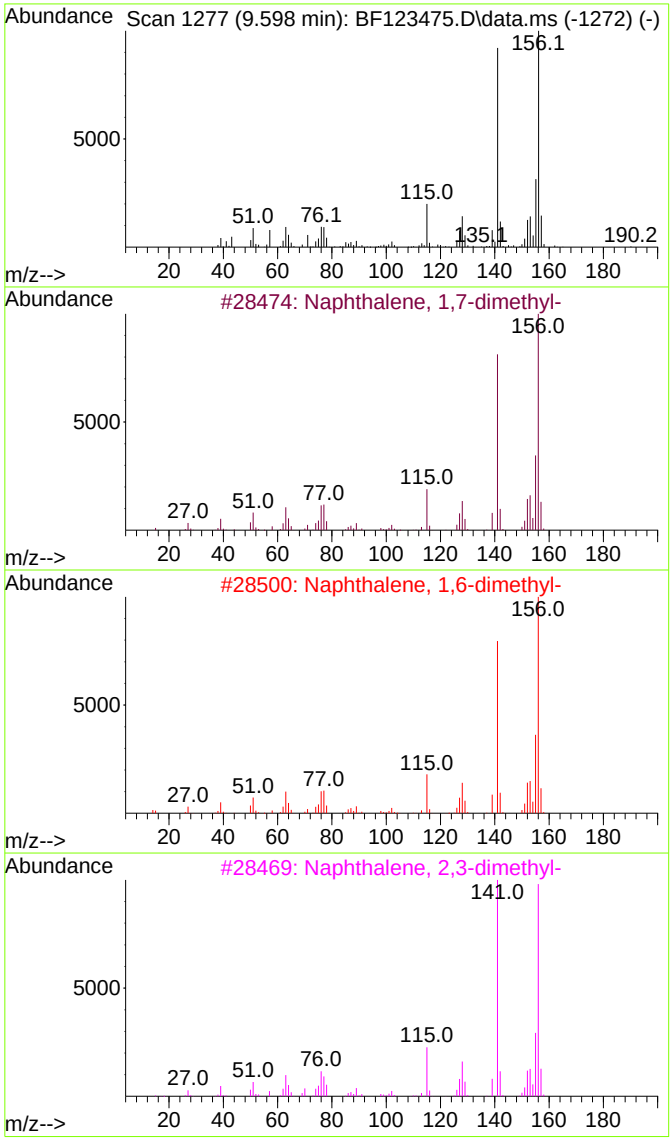
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

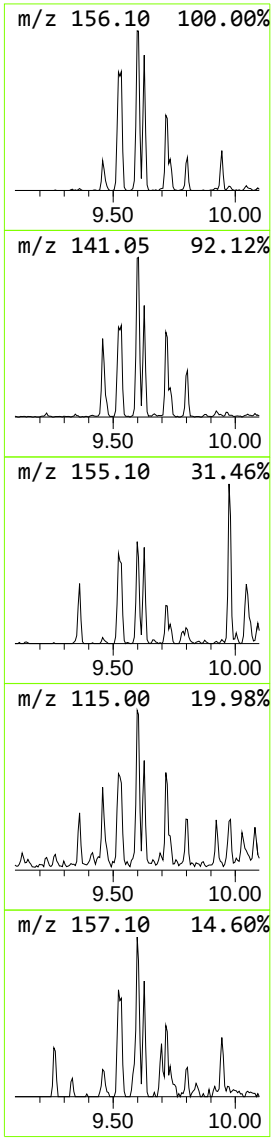
****

Peak Number 2 Naphthalene, 1,7-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.598	7.08 ng	637012	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	98
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	98
3	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	97





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Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

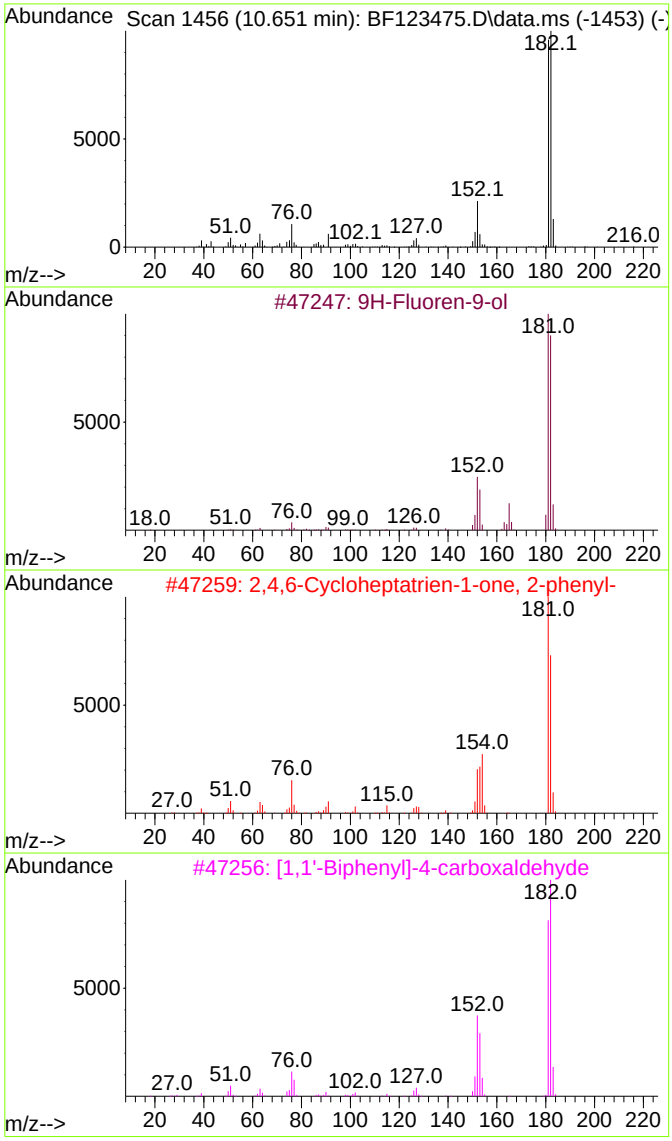
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

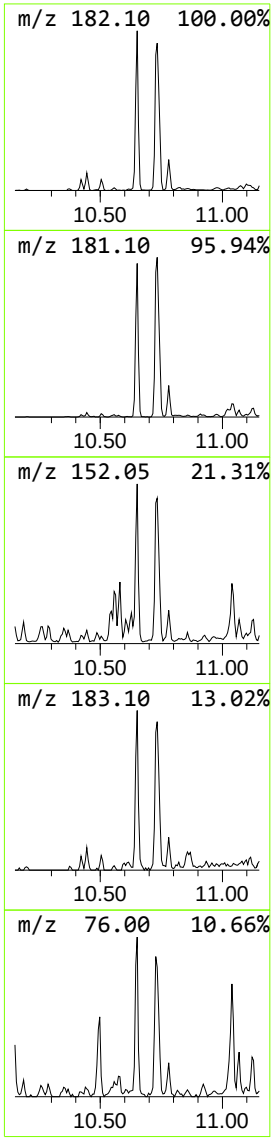
****

Peak Number 3 9H-Fluoren-9-ol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.651	7.42 ng	667637	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
2	2,4,6-Cycloheptatrien-1-one, 2-p...	182	C13H10O	014562-09-5	86
3	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	83
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72
5	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123475.D
Acq On : 25 Mar 2021 22:32
Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

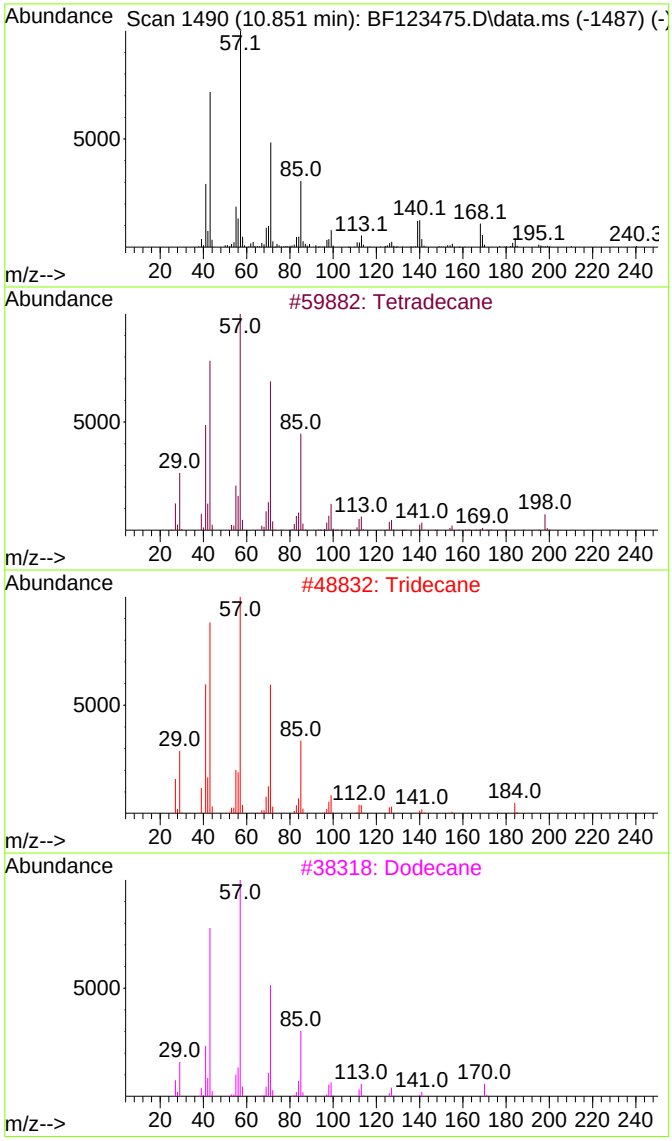
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

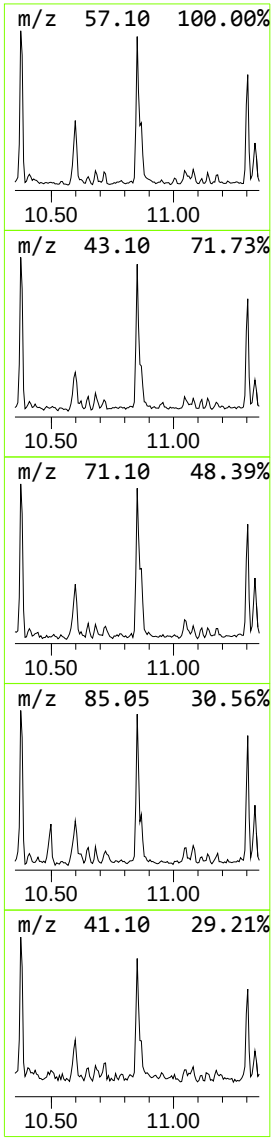
****

Peak Number 4 Tetradecane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.851	8.35 ng	586829	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tetradecane	198	C14H30	000629-59-4	87
2	Tridecane	184	C13H28	000629-50-5	83
3	Dodecane	170	C12H26	000112-40-3	64
4	Tridecane, 2-methyl-	198	C14H30	001560-96-9	53
5	Hexadecane	226	C16H34	000544-76-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF032521\
Data File : BF123475.D
Acq On : 25 Mar 2021 22:32
Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

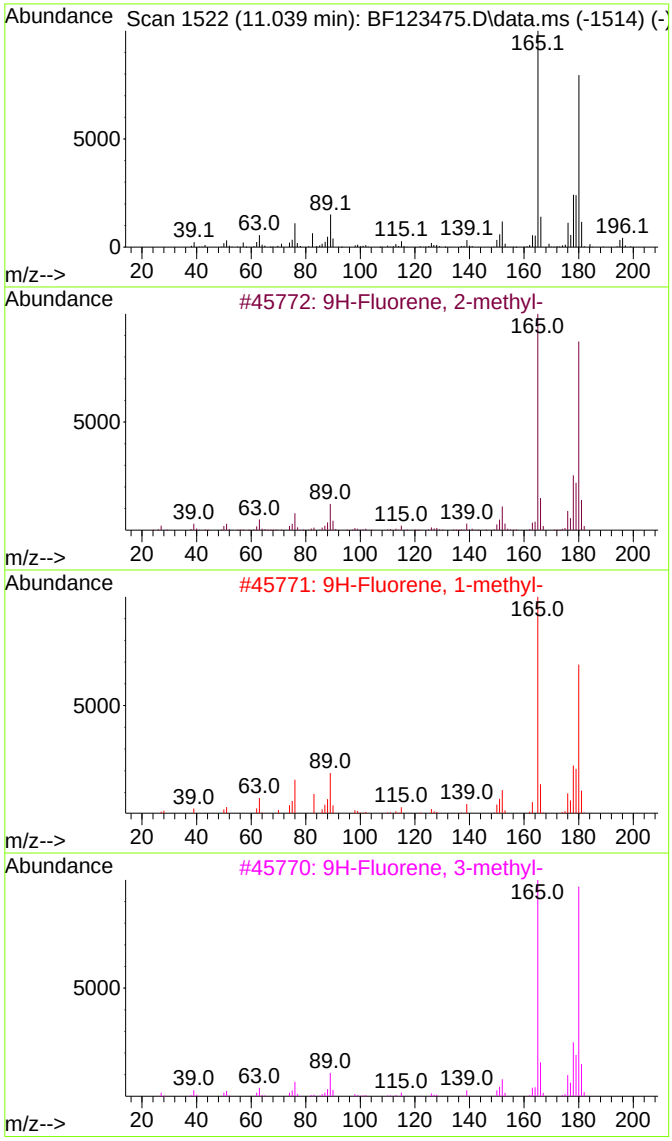
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

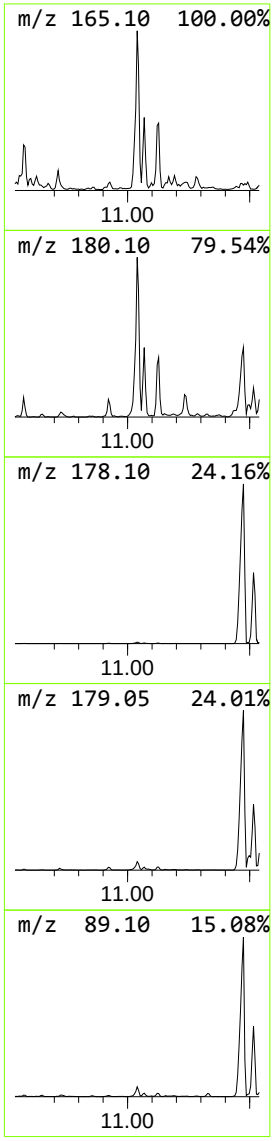
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 9H-Fluorene, 2-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.039	10.92 ng	767737	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	97
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	96
3	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	95
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	94
5	Pentacyclo[6.4.0.1(1,8).1(2,7)]t...	180	C14H12	086120-84-5	68





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Operator : JU/CG
Sample : M1793-01 5X
Misc :
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Instrument :
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ClientSampleId :
SU-04-032421

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

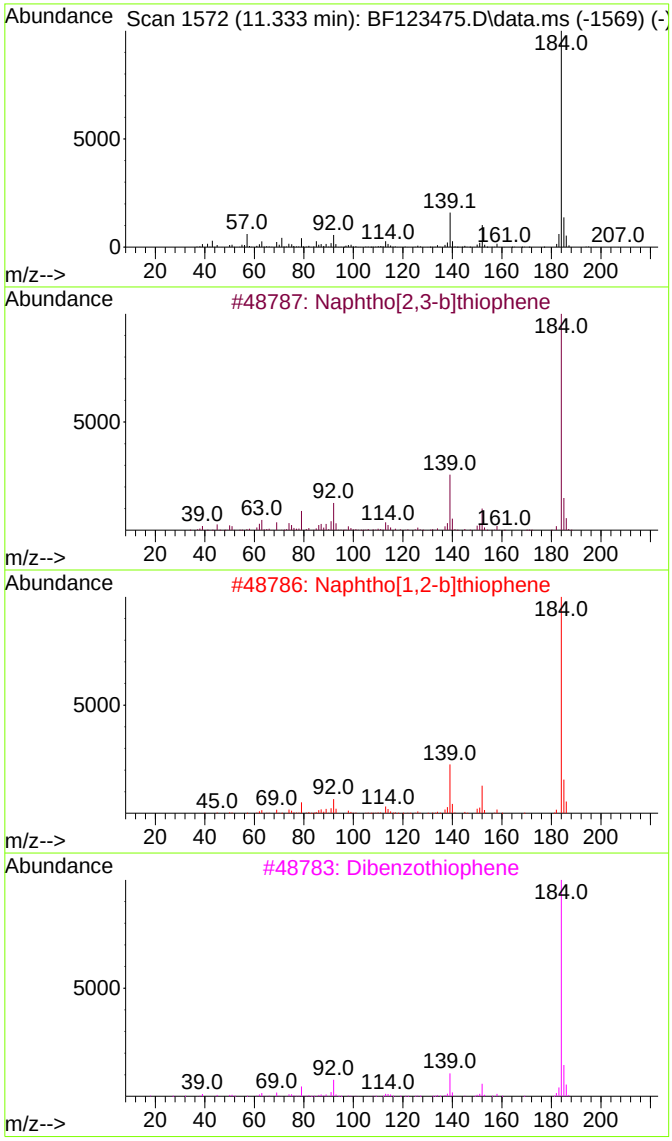
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

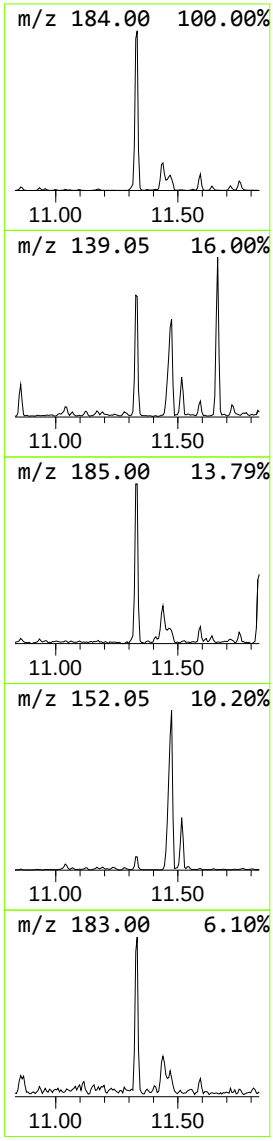
****

Peak Number 6 Naphtho[2,3-b]thiophene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.333	15.04 ng	1057470	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	97
2	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
3	Dibenzothiophene	184	C12H8S	000132-65-0	94
4	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	91
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	87





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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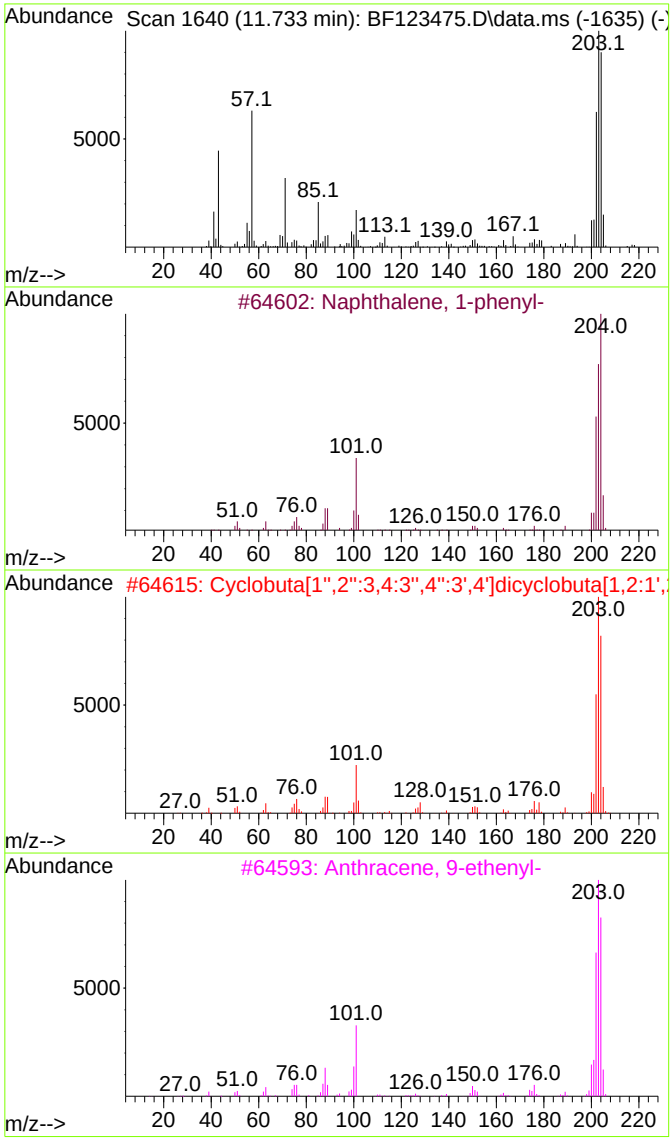
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

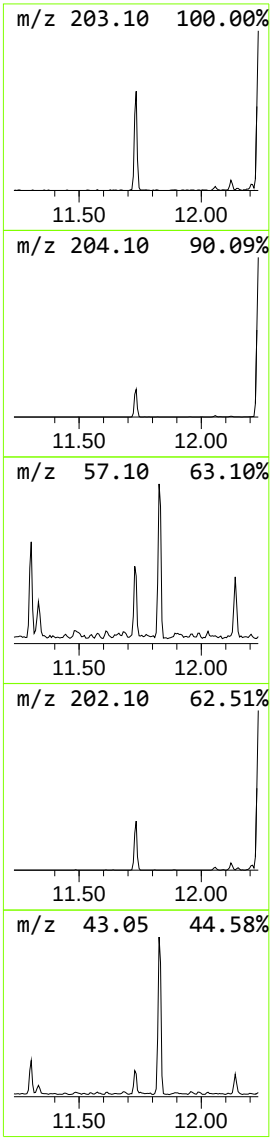
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Naphthalene, 1-phenyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.733	8.40 ng	590316	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	83
2	Cyclobuta[1'',2'':3,4:3'',4'':3'...	204	C16H12	006574-36-3	83
3	Anthracene, 9-ethenyl-	204	C16H12	002444-68-0	64
4	1H-Indene, 1-(phenylmethylene)-	204	C16H12	005394-86-5	64
5	1,4-Ethenoanthracene, 1,4-dihydro-	204	C16H12	027765-96-4	64





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Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

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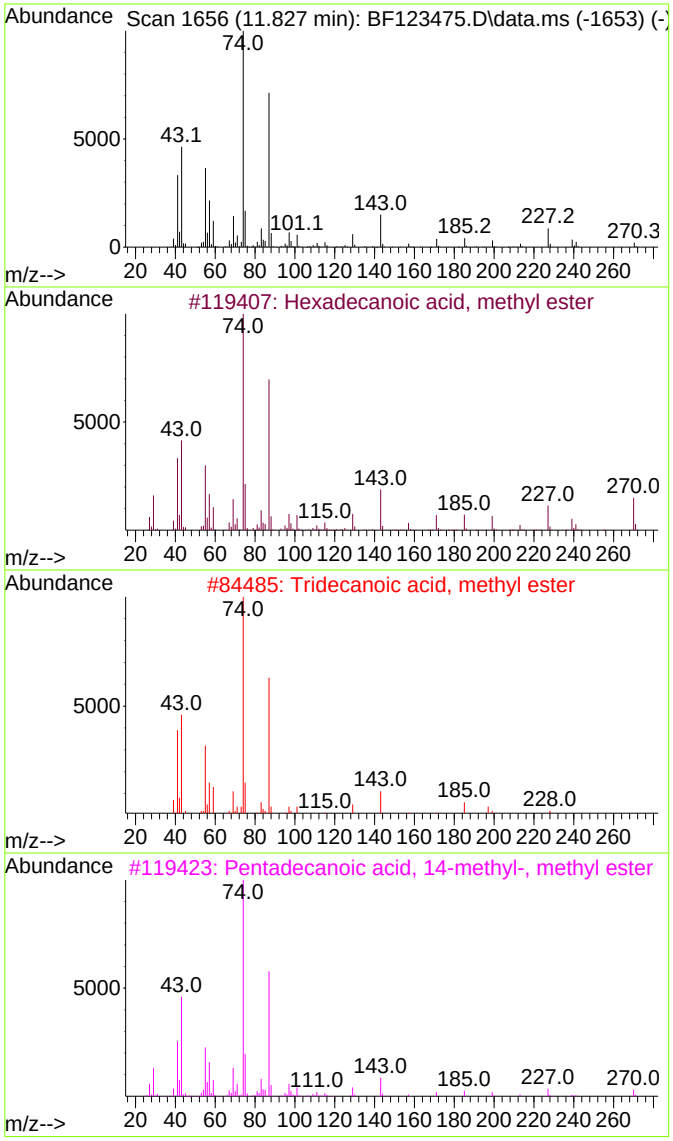
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

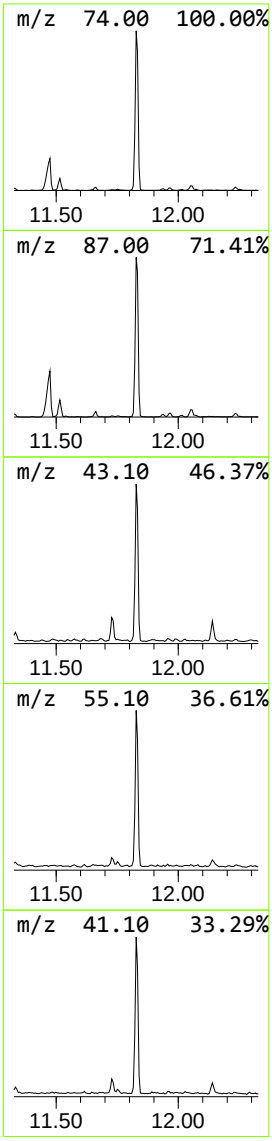
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Hexadecanoic acid, methyl e... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.827	38.19 ng	2685630	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecanoic acid, methyl ester	270	C17H34O2	000112-39-0	95
2	Tridecanoic acid, methyl ester	228	C14H28O2	001731-88-0	91
3	Pentadecanoic acid, 14-methyl-, ...	270	C17H34O2	005129-60-2	91
4	Methyl tetradecanoate	242	C15H30O2	000124-10-7	90
5	Pentadecanoic acid, methyl ester	256	C16H32O2	007132-64-1	90





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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

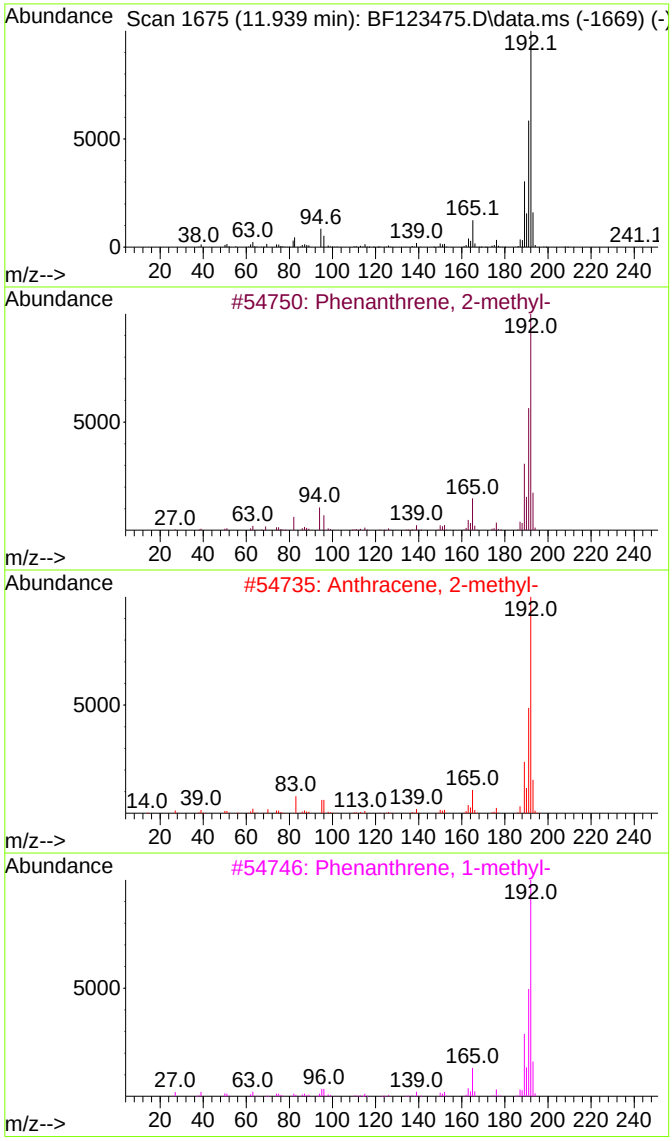
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

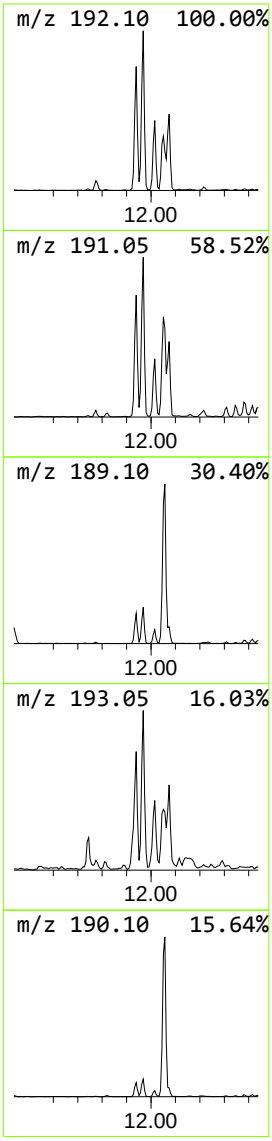
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.939	17.97 ng	1263770	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	94
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	93





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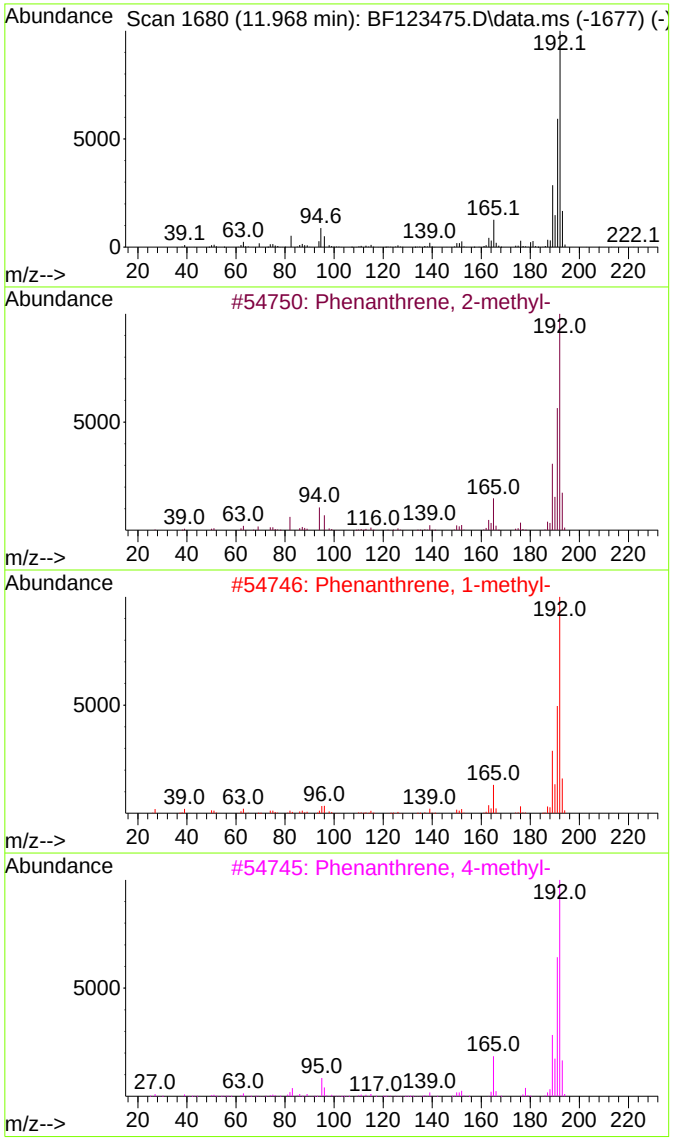
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

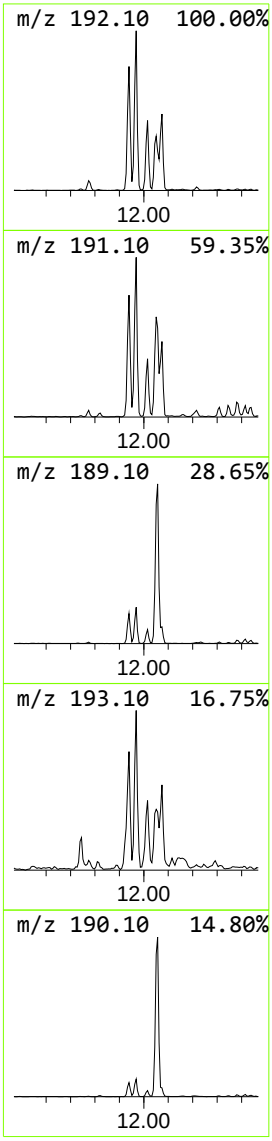
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.968	22.80 ng	1602950	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	98
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
5	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	94





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Sample : M1793-01 5X
Misc :
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ClientSampleId :
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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

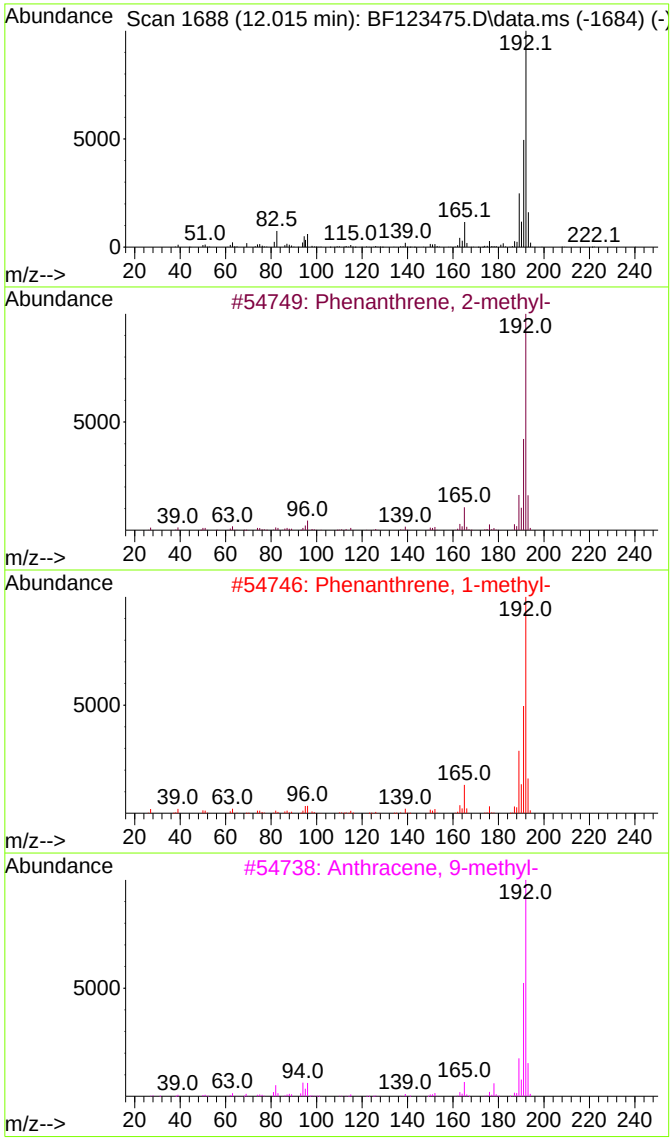
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

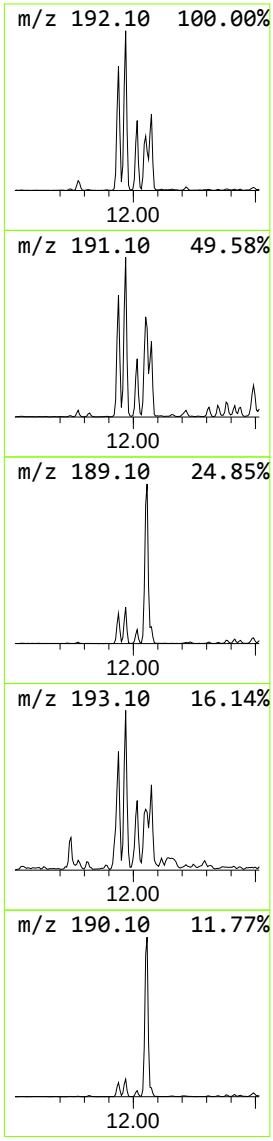
****

Peak Number 11 Anthracene, 9-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.015	9.52 ng	669577	Phenanthrene-d10	11.439

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





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Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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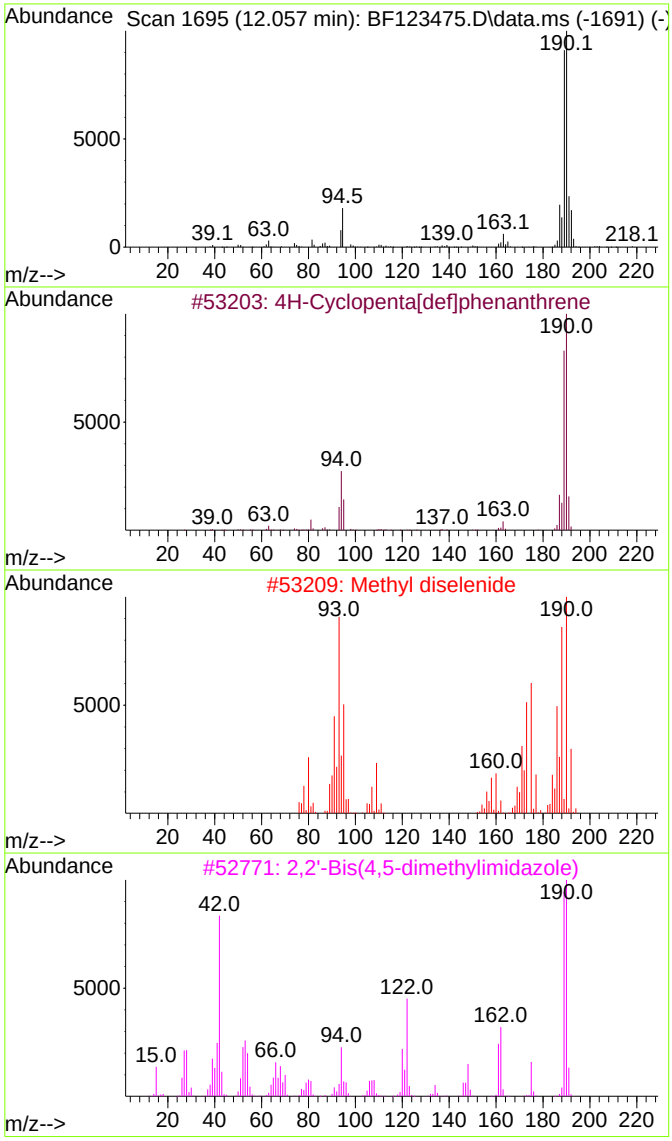
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

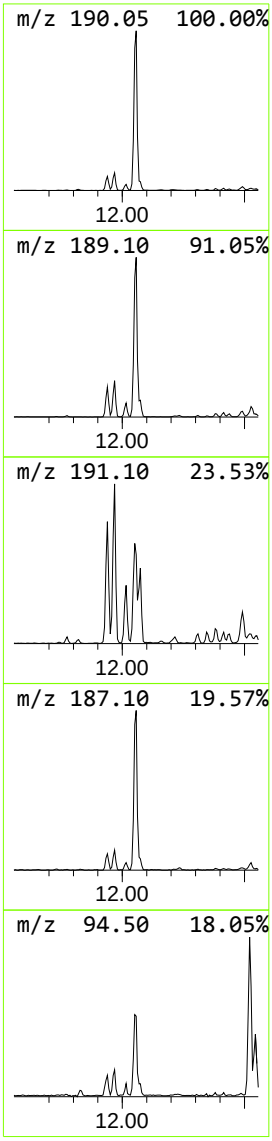
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4H-Cyclopenta[def]phenanthrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.057	44.88 ng	3156040	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	93
2	Methyl diselenide	190	C2H6Se2	007101-31-7	55
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	45
4	Thiophene-3-carboxaldehyde, 5-ch...	190	C5H4BClO3S	036155-87-0	40
5	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	32





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Misc :
ALS Vial : 22 Sample Multiplier: 1

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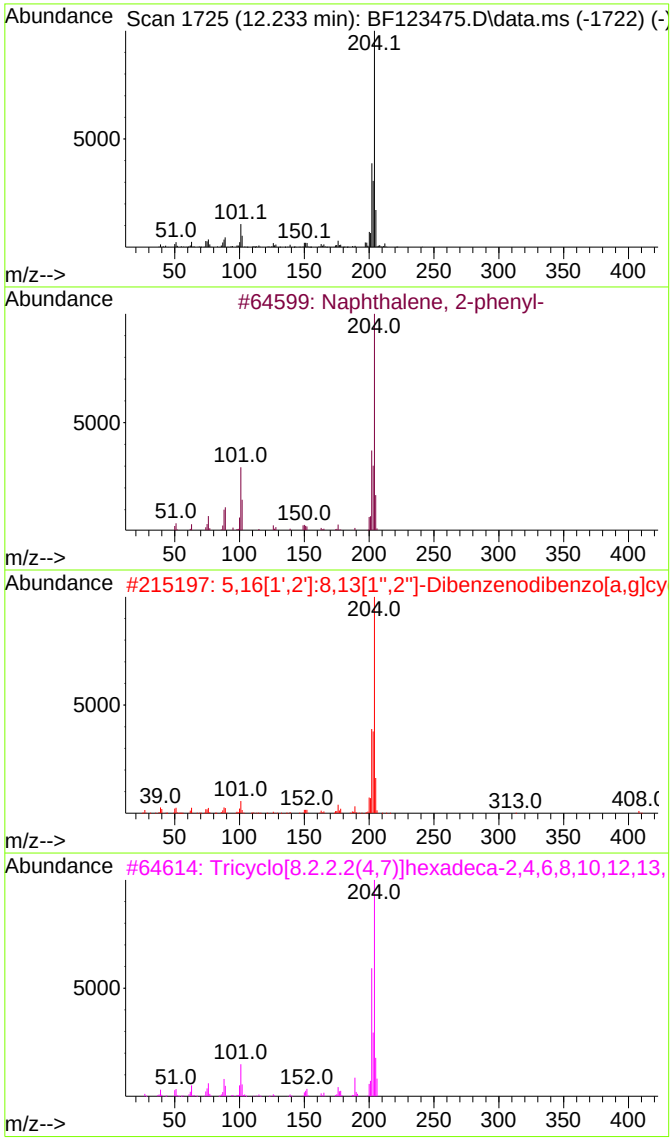
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

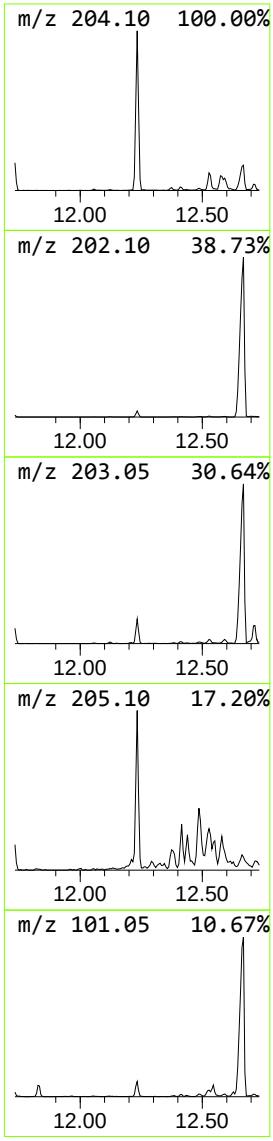
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Naphthalene, 2-phenyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.233	12.64 ng	889084	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	93
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	78
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
4	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	55
5	Acephenanthrylene, 4,5-dihydro-	204	C16H12	006232-48-0	46





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

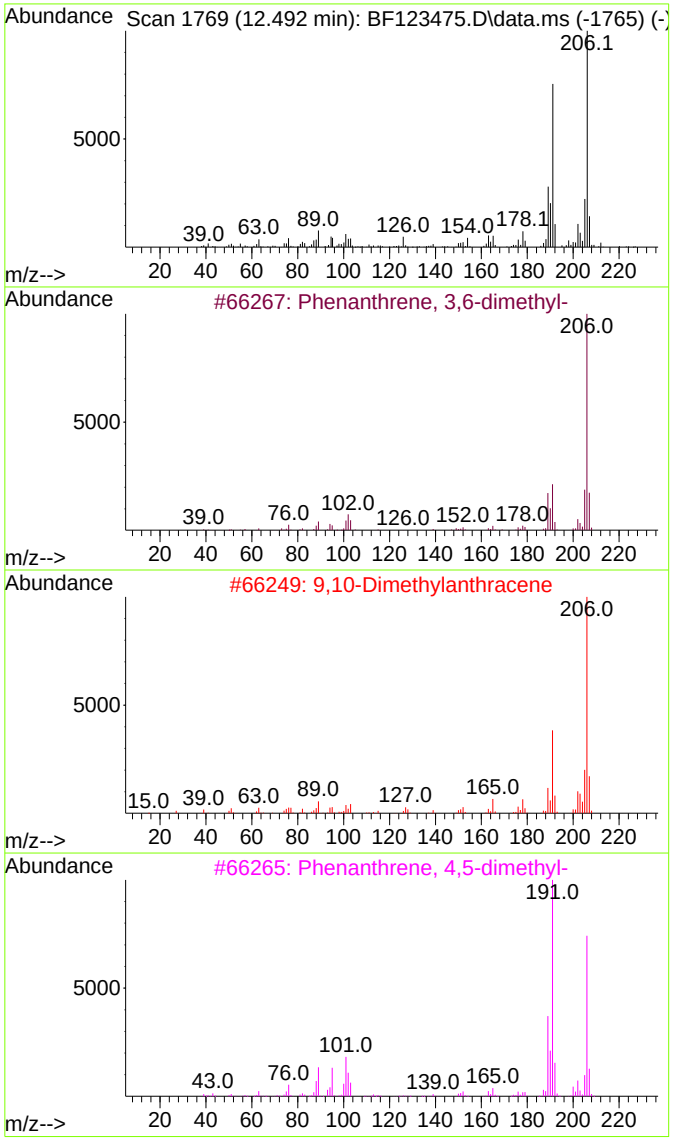
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

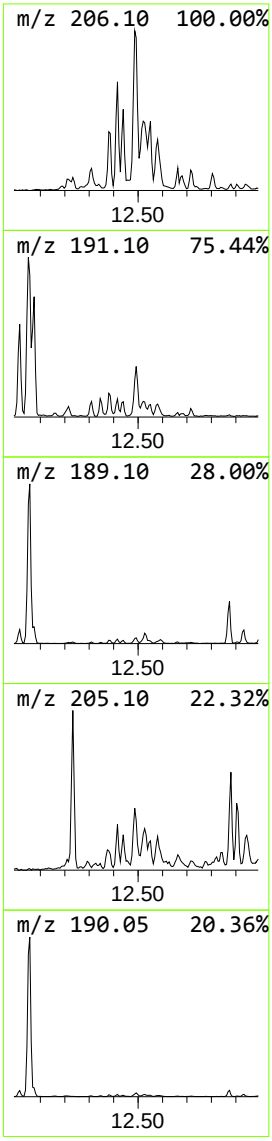
****

Peak Number 14 Phenanthrene, 3,6-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	6.82 ng	479753	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	89
2	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87
3	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	87
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	83
5	1H-Indene, 2-methyl-3-phenyl-	206	C16H14	035099-60-6	72





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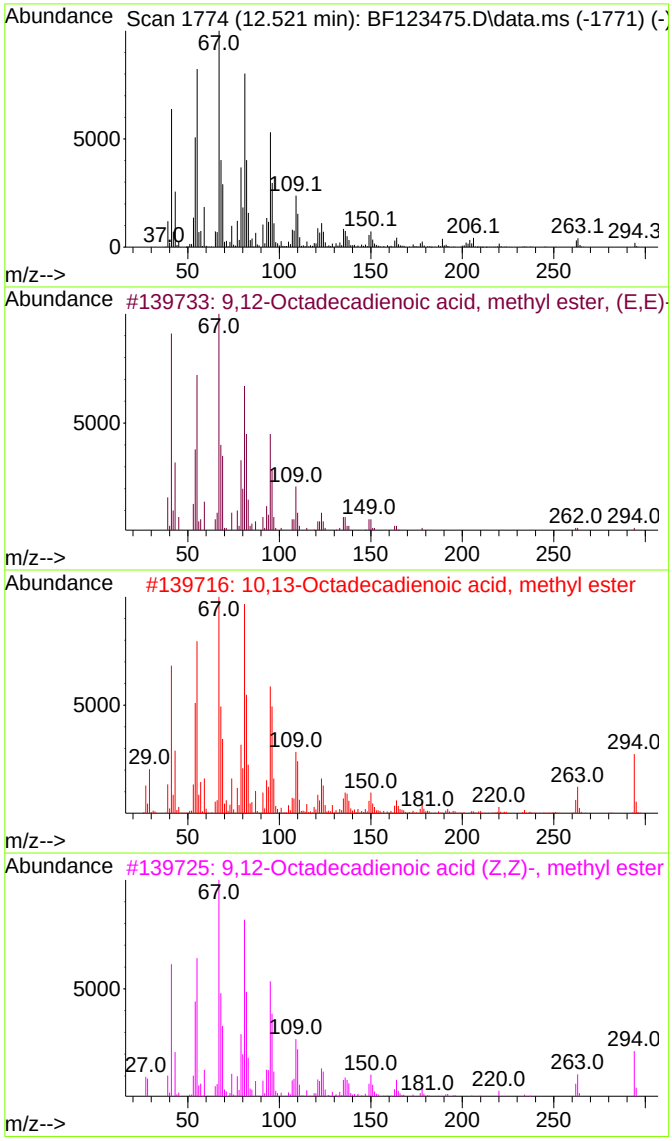
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

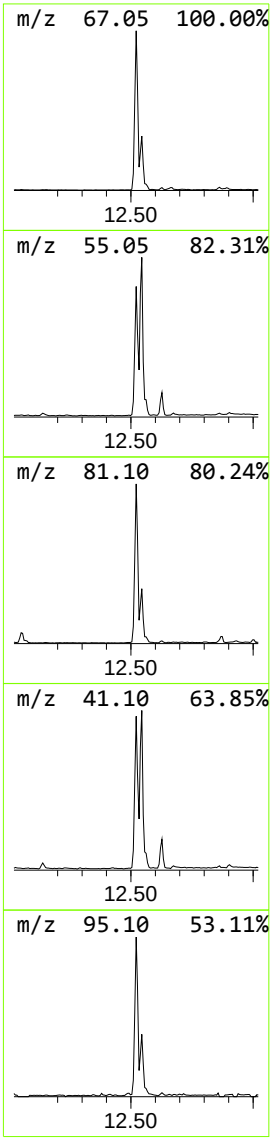
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9,12-Octadecadienoic acid, ... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.521	79.17 ng	5567230	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,12-Octadecadienoic acid, methy...	294	C19H34O2	002566-97-4	99
2	10,13-Octadecadienoic acid, meth...	294	C19H34O2	056554-62-2	99
3	9,12-Octadecadienoic acid (Z,Z)-...	294	C19H34O2	000112-63-0	98
4	8,11-Octadecadienoic acid, methy...	294	C19H34O2	056599-58-7	97
5	Methyl 9-cis,11-trans-octadecadi...	294	C19H34O2	1000336-44-0	96





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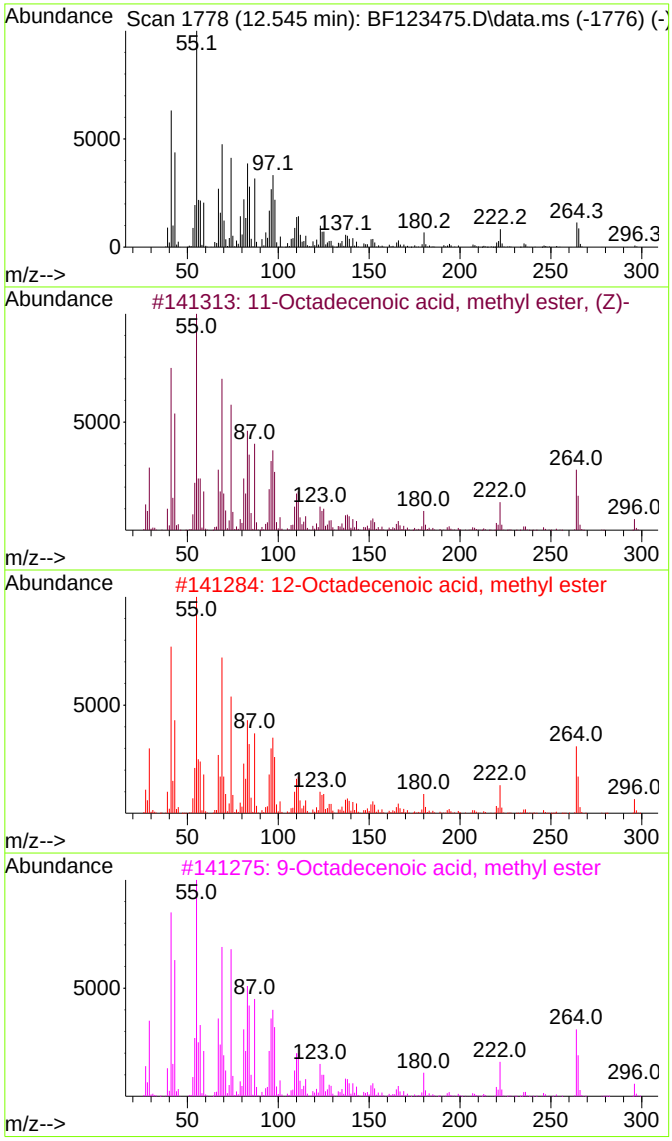
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

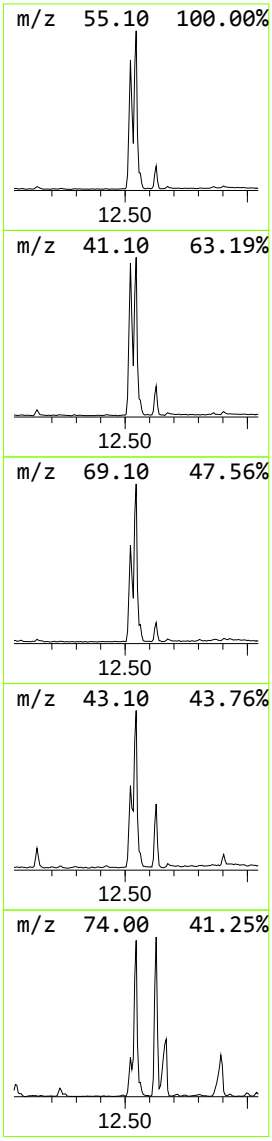
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 11-Octadecenoic acid, methy... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.545	74.53 ng	5240300	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11-Octadecenoic acid, methyl est...	296	C19H36O2	001937-63-9	99
2	12-Octadecenoic acid, methyl ester	296	C19H36O2	056554-46-2	99
3	9-Octadecenoic acid, methyl ester	296	C19H36O2	002462-84-2	99
4	8-Octadecenoic acid, methyl ester	296	C19H36O2	002345-29-1	98
5	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	94





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Acq On : 25 Mar 2021 22:32
Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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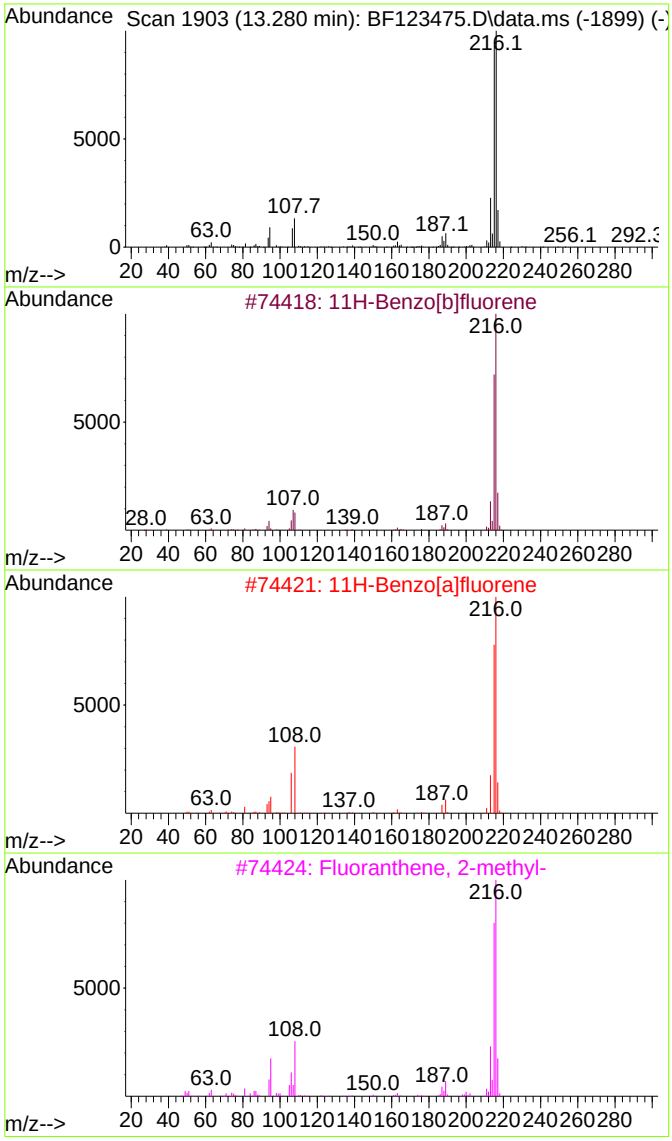
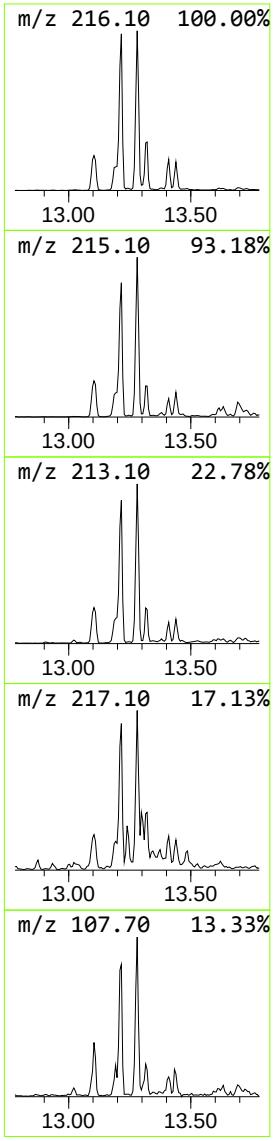
Peak Number 17 11H-Benzo[b]fluorene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.280	6.26 ng	2298340	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	96
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	93
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	Pyrene, 1-methyl-	216	C17H12	002381-21-7	76
5	7H-Benzo[c]fluorene	216	C17H12	000205-12-9	72





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Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
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TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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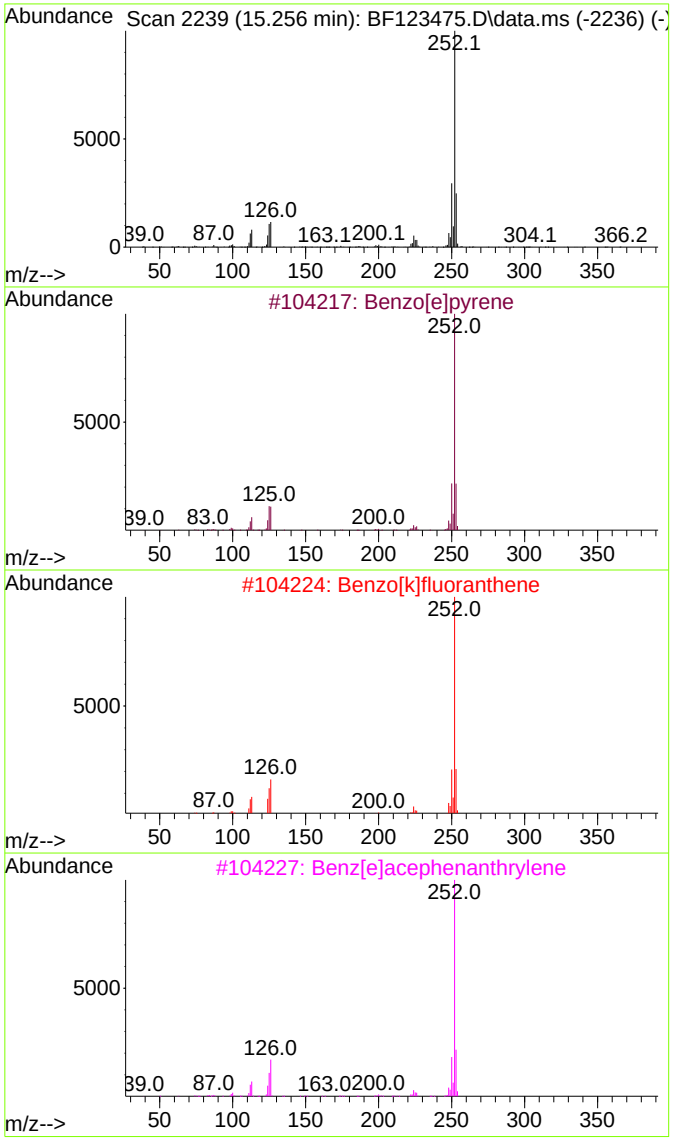
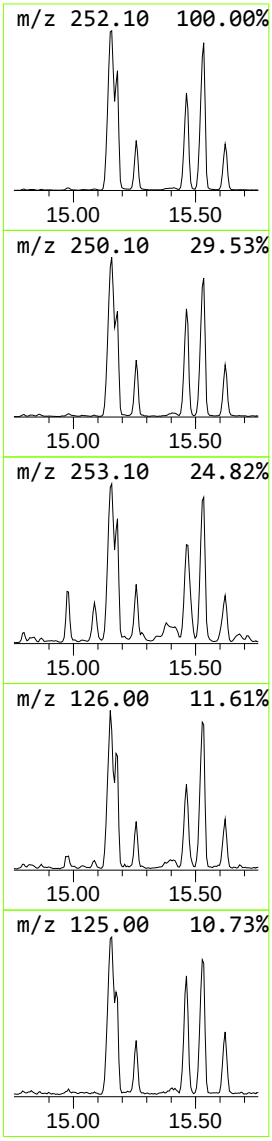
Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.257	15.89 ng	858777	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	95
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
3	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	93
4	Benzo[a]pyrene	252	C20H12	000050-32-8	90
5	Perylene	252	C20H12	000198-55-0	81





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Data File : BF123475.D
Acq On : 25 Mar 2021 22:32
Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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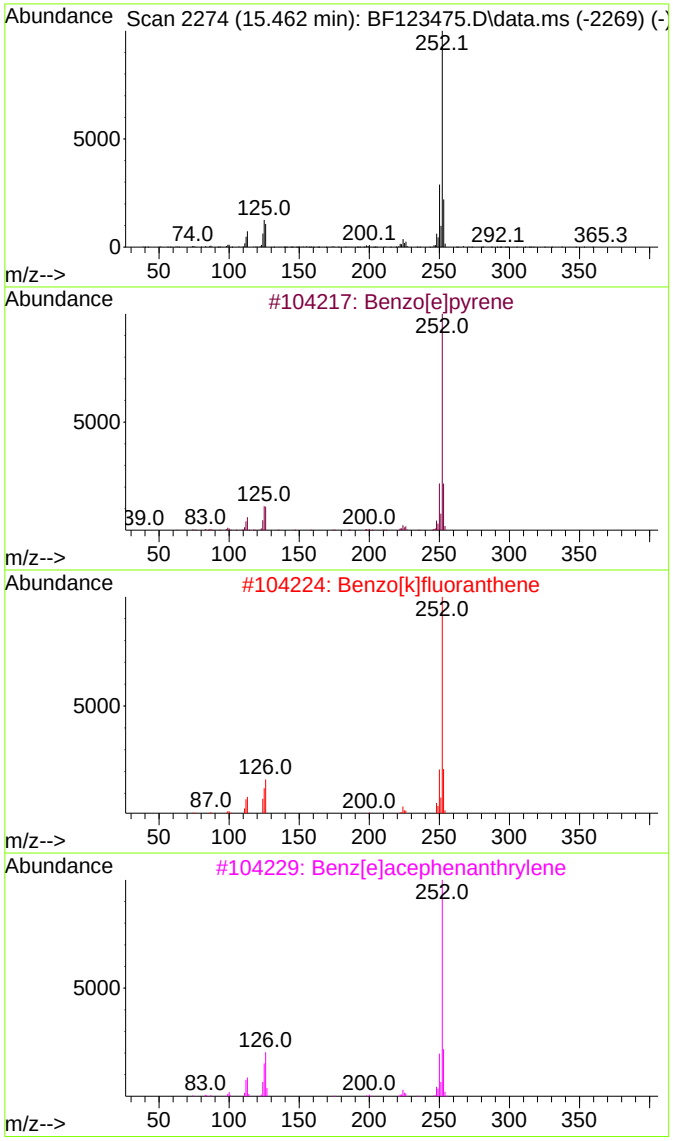
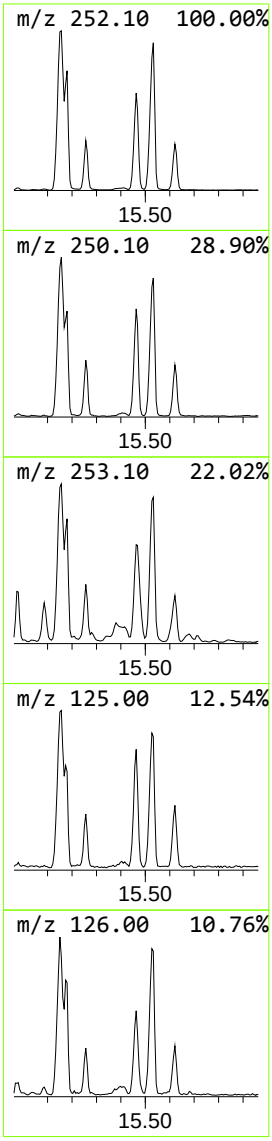
Peak Number 19 Perylene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	46.18 ng	2495020	Perylene-d12	15.592

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	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	95
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[a]pyrene	252	C20H12	000050-32-8	93





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Data File : BF123475.D
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Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SU-04-032421

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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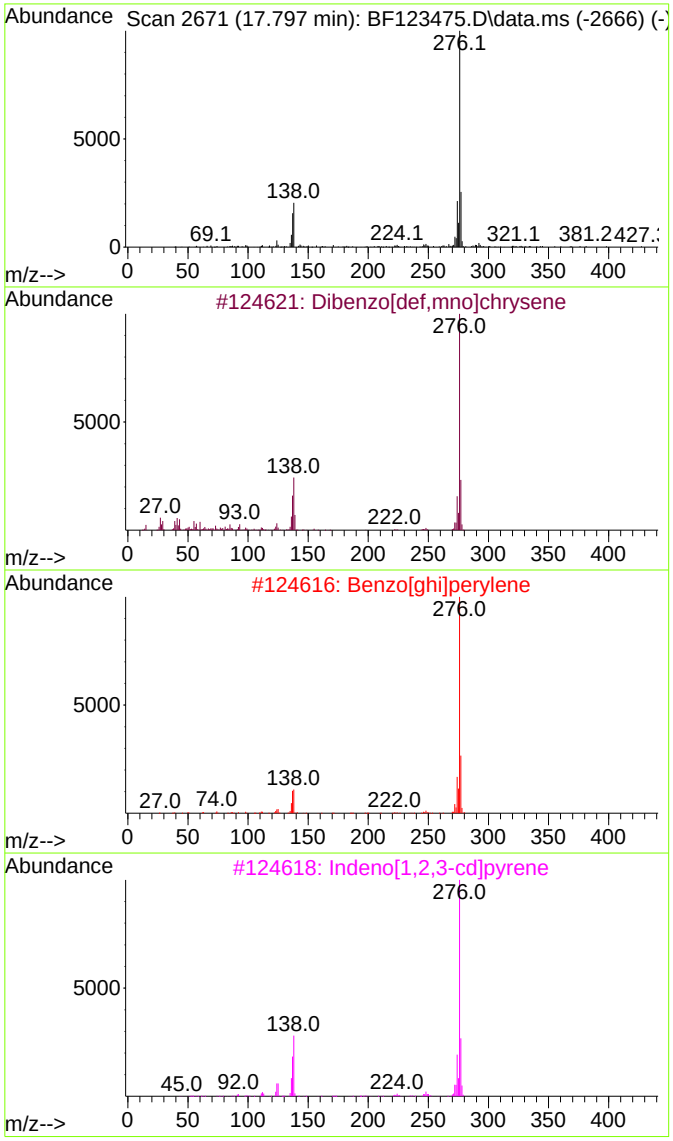
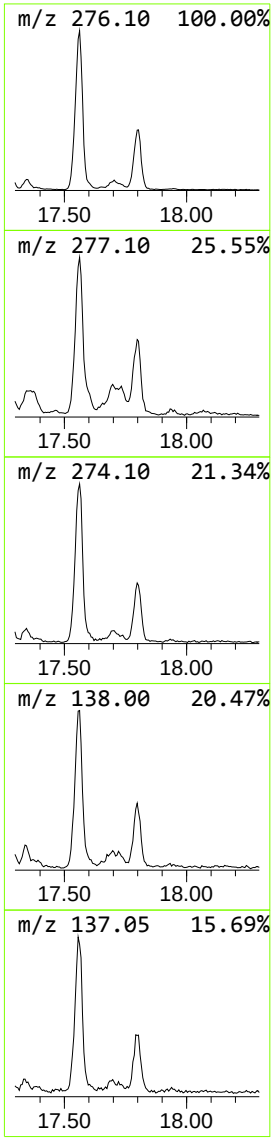
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.797	7.99 ng	431886	Perylene-d12	15.592

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	93
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	93
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	87
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	81
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	59





Tentatively Identified Compound (LSC) summary

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Data File : BF123475.D
Acq On : 25 Mar 2021 22:32
Operator : JU/CG
Sample : M1793-01 5X
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SU-04-032421

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF032321.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Naphthalene, 2,...	9.522	6.8	ng	608953	3	9.945	1798440	20.0
Naphthalene, 1,...	9.598	7.1	ng	637012	3	9.945	1798440	20.0
9H-Fluoren-9-ol	10.651	7.4	ng	667637	3	9.945	1798440	20.0
Tetradecane	10.851	8.3	ng	586829	4	11.439	1406320	20.0
9H-Fluorene, 2-...	11.039	10.9	ng	767737	4	11.439	1406320	20.0
Naphtho[2,3-b]t...	11.333	15.0	ng	1057470	4	11.439	1406320	20.0
Naphthalene, 1-...	11.733	8.4	ng	590316	4	11.439	1406320	20.0
Hexadecanoic ac...	11.827	38.2	ng	2685630	4	11.439	1406320	20.0
Phenanthrene, 2...	11.939	18.0	ng	1263770	4	11.439	1406320	20.0
Phenanthrene, 1...	11.968	22.8	ng	1602950	4	11.439	1406320	20.0
Anthracene, 9-m...	12.015	9.5	ng	669577	4	11.439	1406320	20.0
4H-Cyclopenta[d...	12.057	44.9	ng	3156040	4	11.439	1406320	20.0
Naphthalene, 2-...	12.233	12.6	ng	889084	4	11.439	1406320	20.0
Phenanthrene, 3...	12.492	6.8	ng	479753	4	11.439	1406320	20.0
9,12-Octadecadi...	12.521	79.2	ng	5567230	4	11.439	1406320	20.0
11-Octadecenoic...	12.545	74.5	ng	5240300	4	11.439	1406320	20.0
11H-Benzo[b]flu...	13.280	6.3	ng	2298340	5	14.092	7342090	20.0
Benzo[e]pyrene	15.257	15.9	ng	858777	6	15.592	1080650	20.0
Perylene	15.462	46.2	ng	2495020	6	15.592	1080650	20.0
Dibenzo[def,mno...	17.797	8.0	ng	431886	6	15.592	1080650	20.0