LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

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-BF072022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF129327.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	543	547	559	rVB	1287942	1046373	9.44%	0.797%
2	6.510	715	718	725	rVB	1211318	1008395	9.10%	0.768%
3	6.892	779	783	786	rBV	1606610	1267503	11.44%	0.966%
4	7.451	875	878	881	rBV	781166	598047	5.40%	0.456%
5	8.175	997	1001	1003	rBV	1189078	1063029	9.59%	0.810%
6	8.198	1003	1005	1008	rVB	1602500	1151823	10.40%	0.878%
7	8.886	1118	1122	1126	rVB	1167982	973375	8.78%	0.742%
8	8.986	1134	1139	1143	rBV	1170417	945902	8.54%	0.721%
9	9.245	1180	1183	1187	rVB	821881	666907	6.02%	0.508%
10	9.516	1223	1229	1233	rBV2	400634	537485	4.85%	0.410%
11	9.586	1237	1241	1244	rBV	718410	737030	6.65%	0.562%
12	9.616	1244	1246	1250	rVB	452813	334440	3.02%	0.255%
13	9.704	1256	1261	1263	rBV	377618	337191	3.04%	0.257%
14	9.792	1273	1276	1280	rVB	680171	544058	4.91%	0.415%
15	9.933	1297	1300	1303	rVV	1127577	929946	8.39%	0.709%
16	9.963	1303	1305	1308	rVB	916028	801996	7.24%	0.611%
17	10.133	1330	1334	1338	rVV2	643411	670294	6.05%	0.511%
18	10.245	1349	1353	1356	rBV	236931	231100	2.09%	0.176%
19	10.480	1389	1393	1398	rVB	1130916	1012142	9.13%	0.771%
20	10.569	1406	1408	1410	rVV	273832	217189	1.96%	0.165%
21	10.633	1417	1419	1423	rVB	295327	305914	2.76%	0.233%
22	10.716	1431	1433	1437	rVB	651133	660862	5.96%	0.504%
23	11.027	1480	1486	1489	rBV3	350127	494054	4.46%	0.376%
24	11.057	1489	1491	1494	rVV2	278976	247112	2.23%	0.188%
25	11.157	1503	1508	1510	rBV2	199814	292743	2.64%	0.223%
26	11.180	1510	1512	1516	rVV	251128	260998	2.36%	0.199%
27	11.227	1517	1520	1523	rVV	581503	490409	4.43%	0.374%
28	11.280	1523	1529	1533	rVV3	247229	441110	3.98%	0.336%
29	11.321	1533	1536	1541	rVB	629069	575520	5.19%	0.439%
30	11.427	1550	1554	1555	rBV	754779	749170	6.76%	0.571%
31	11.463	1555	1560	1562	rVV	7190697	7769222	70.12%	5.920%
32	11.504	1562	1567	1570	rVV	2449425	2063798	18.63%	1.573%
33	11.657	1586	1593	1599	rBV2	862219	1062354	9.59%	0.810%
34	11.716	1601	1603	1607	rVV2	225347	217697	1.96%	0.166%
35	11.757	1607	1610	1614	rVB2	407470	381029	3.44%	0.290%
36	11.927	1633	1639	1641	rVV	1595574	1469614	13.26%	1.120%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

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-BF072022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	11.957	1641	1644	1647	rVB	2229694	1799270	16.24%	1.371%
38	12.004	1647	1652	1655	rBV	841100	776303	7.01%	0.592%
39	12.045	1655	1659	1661	rBV2	1965363	2455551	22.16%	1.871%
40	12.063	1661	1662	1665	rVB	1326710	802316	7.24%	0.611%
41	12.221	1686	1689	1691	rVV	1006089	829289	7.48%	0.632%
42	12.251	1691	1694	1699	rVB	917795	810977	7.32%	0.618%
43	12.368	1709	1714	1717	rBV2	443201	520570	4.70%	0.397%
44	12.398	1717	1719	1722	rVV	306326	258494	2.33%	0.197%
45	12.427	1722	1724	1726	rVB	315347	244799	2.21%	0.187%
46	12.480	1726	1733	1735	rBV	880649	1050334	9.48%	0.800%
47	12.516	1735	1739	1741	rVV2	468574	691553	6.24%	0.527%
48	12.574	1745	1749	1753	rBV3	766857	911935	8.23%	0.695%
49	12.663	1757	1764	1766	rBV	8037390	10073814	90.92%	7.676%
50	12.710	1770	1772	1775	rVB	292169	247203	2.23%	0.188%
51	12.798	1779	1787	1791	rBV3	475164	904120	8.16%	0.689%
52	12.892	1795	1803	1806	rBV2	7727447	11080004	100.00%	8.443%
53	12.921	1806	1808	1812	rVB2	676901	652204	5.89%	0.497%
54	12.992	1812	1820	1821	rBV	719745	771969	6.97%	0.588%
55	13.010	1821	1823	1825	rVV	589055	485403	4.38%	0.370%
56	13.033	1825	1827	1830	rVB	747349	614960	5.55%	0.469%
57	13.092	1831	1837	1840	rBV2	855623	1406287	12.69%	1.072%
58	13.174	1848	1851	1853	rBV3	648735	820716	7.41%	0.625%
59	13.204	1853	1856	1858	rVB	1502398	1404832	12.68%	1.070%
60	13.268	1864	1867	1869	rBV	896289	734468	6.63%	0.560%
61	13.310	1869	1874	1876	rBV2	1093014	1212783	10.95%	0.924%
62	13.398	1886	1889	1892	rBV	692730	691738	6.24%	0.527%
63	13.433	1892	1895	1898	rBV	806107	700584	6.32%	0.534%
64	13.586	1916	1921	1922	rBV3	187437	285528	2.58%	0.218%
65	13.710	1939	1942	1947	rVV	1138227	1252691	11.31%	0.955%
66	13.821	1957	1961	1964	rVV2	1169726	1376938	12.43%	1.049%
67	13.851	1964	1966	1968	rVV	1085117	937811	8.46%	0.715%
68	13.880	1968	1971	1976	rVV3	773232	1270205	11.46%	0.968%
69	13.921	1976	1978	1982	rVB	1036606	976318	8.81%	0.744%
70	13.992	1985	1990	1992	rBV	302630	398858	3.60%	0.304%
71	14.074	1996	2004	2007	rBV2	4656624	7491877	67.62%	5.709%
72	14.115	2007	2011	2016	rVV	4957688	5349867	48.28%	4.077%
73	14.186	2021	2023	2027	rVV	644601	621082	5.61%	0.473%
74	14.221	2027	2029	2031	rVV	287208	339017	3.06%	0.258%
75	14.262	2034	2036	2039	rVV	398543	405668	3.66%	0.309%
76	14.304	2039	2043	2046	rVV2	525517	687860	6.21%	0.524%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

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-BF072022.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.392	2055	2058	2060	rVV2	242519	315629	2.85%	0.241%
78	14.421	2060	2063	2065	rVV2	389060	488098	4.41%	0.372%
79	14.462	2065	2070	2073	rVV	1236270	1564666	14.12%	1.192%
80	14.498	2073	2076	2079	rVV	706221	853292	7.70%	0.650%
81	14.545	2079	2084	2085	rVV3	400267	662902	5.98%	0.505%
82	14.586	2089	2091	2093	rVV	614143	604653	5.46%	0.461%
83	14.609	2093	2095	2098	rVV2	561392	513660	4.64%	0.391%
84	14.657	2099	2103	2109	rVV4	362883	525634	4.74%	0.401%
85	14.774	2120	2123	2126	rBV2	237445	277682	2.51%	0.212%
86	14.968	2151	2156	2159	rBV2	299434	430196	3.88%	0.328%
87	15.145	2179	2186	2189	rBV	3868298	7643967	68.99%	5.825%
88	15.245	2200	2203	2206	rVB	859983	833461	7.52%	0.635%
89	15.333	2214	2218	2220	rBV2	278248	392499	3.54%	0.299%
90	15.451	2232	2238	2244	rVB	2242303	3636832	32.82%	2.771%
91	15.527	2244	2251	2254	rVB	3228302	4721394	42.61%	3.598%
92	15.574	2254	2259	2262	rBV2	690275	1031459	9.31%	0.786%
93	15.609	2262	2265	2271	rVB2	1139558	1546425	13.96%	1.178%
94	16.015	2331	2334	2339	rVB2	191570	315896	2.85%	0.241%
95	16.151	2354	2357	2367	rVB3	235392	409037	3.69%	0.312%
96	17.103	2511	2519	2525	rVB2	1567466	3162376	28.54%	2.410%
97	17.268	2542	2547	2552	rBV	323245	576022	5.20%	0.439%
98	17.333	2553	2558	2563	rVV2	249683	454735	4.10%	0.347%
99	17.562	2589	2597	2607	rVB	1071869	2465490	22.25%	1.879%
100	17.798	2630	2637	2653	rVB2	319726	907559	8.19%	0.692%

Sum of corrected areas: 131235591

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
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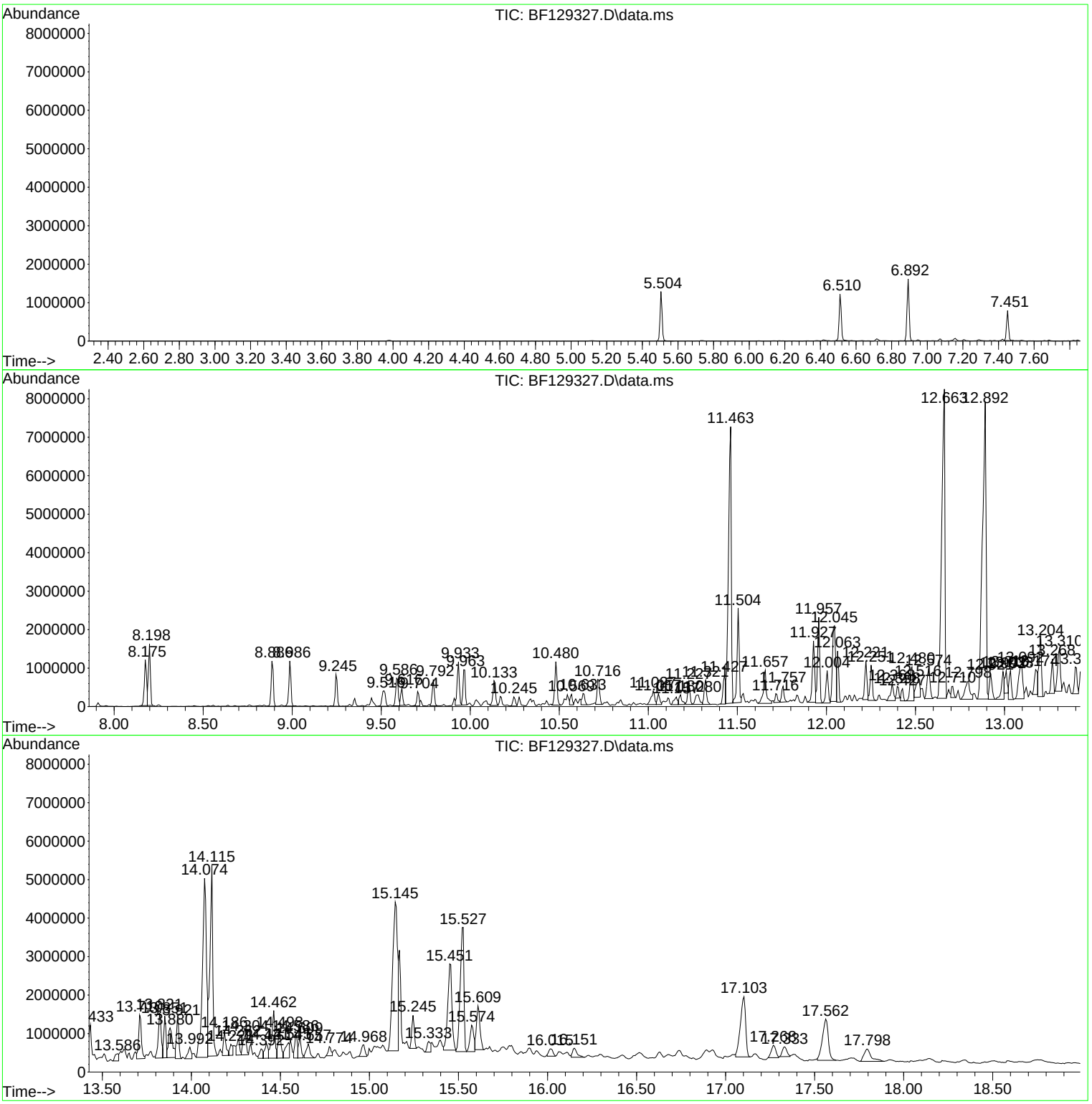
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.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\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
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Sample : N3814-04 5X
Misc :
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Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

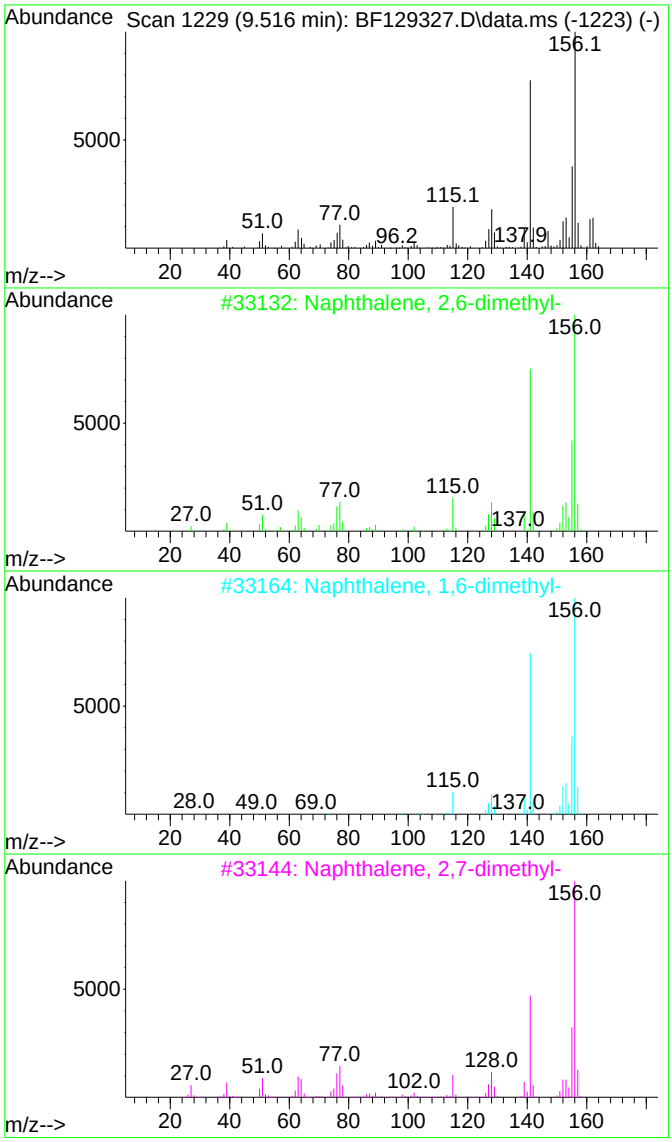
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

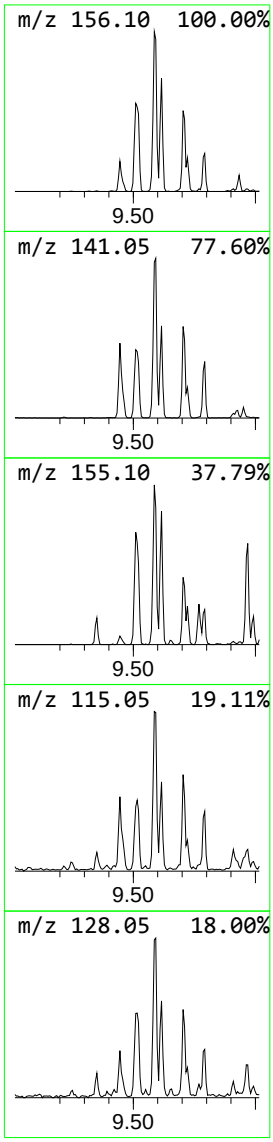
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Naphthalene, 2,6-dimethyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.516	11.56 ng	537485	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	95
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

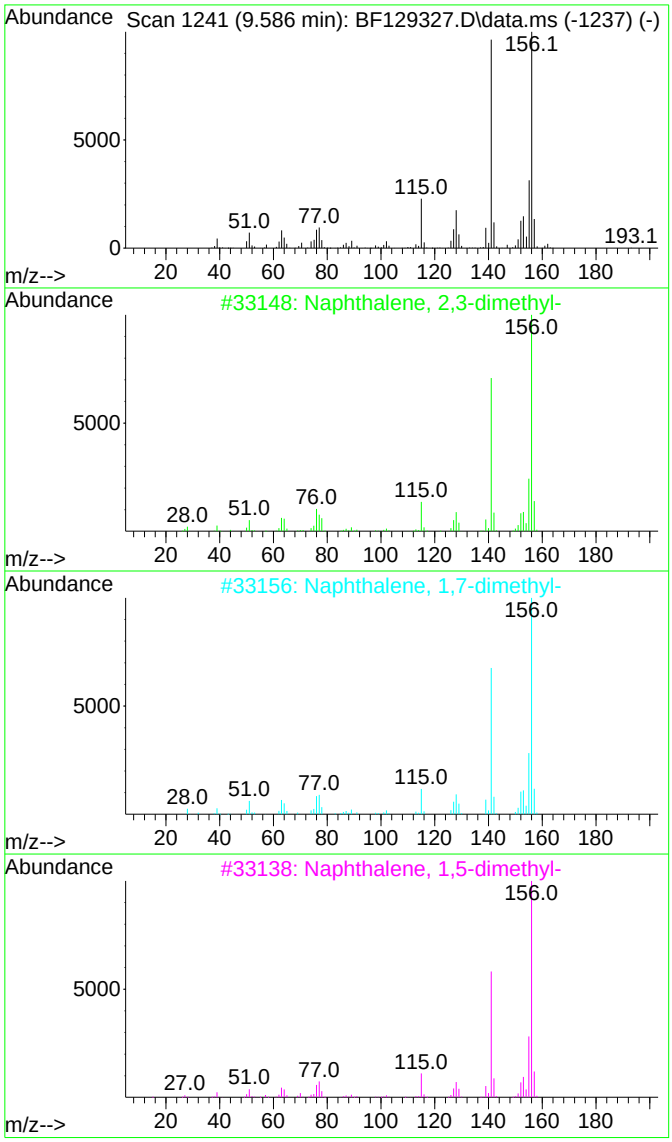
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

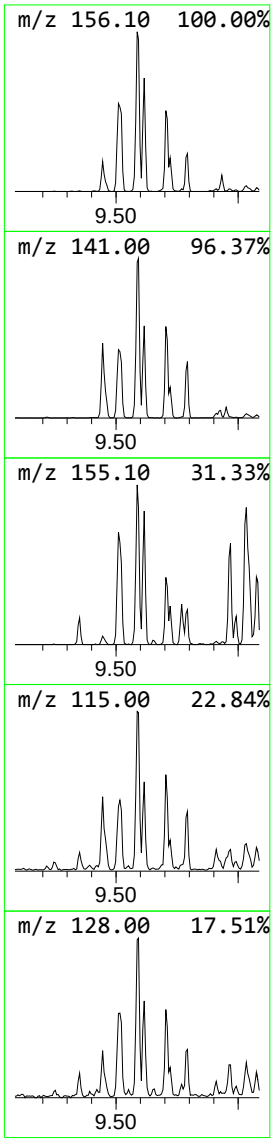
****

Peak Number 2 Naphthalene, 2,3-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.586	15.85 ng	737030	Acenaphthene-d10	9.933

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
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Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

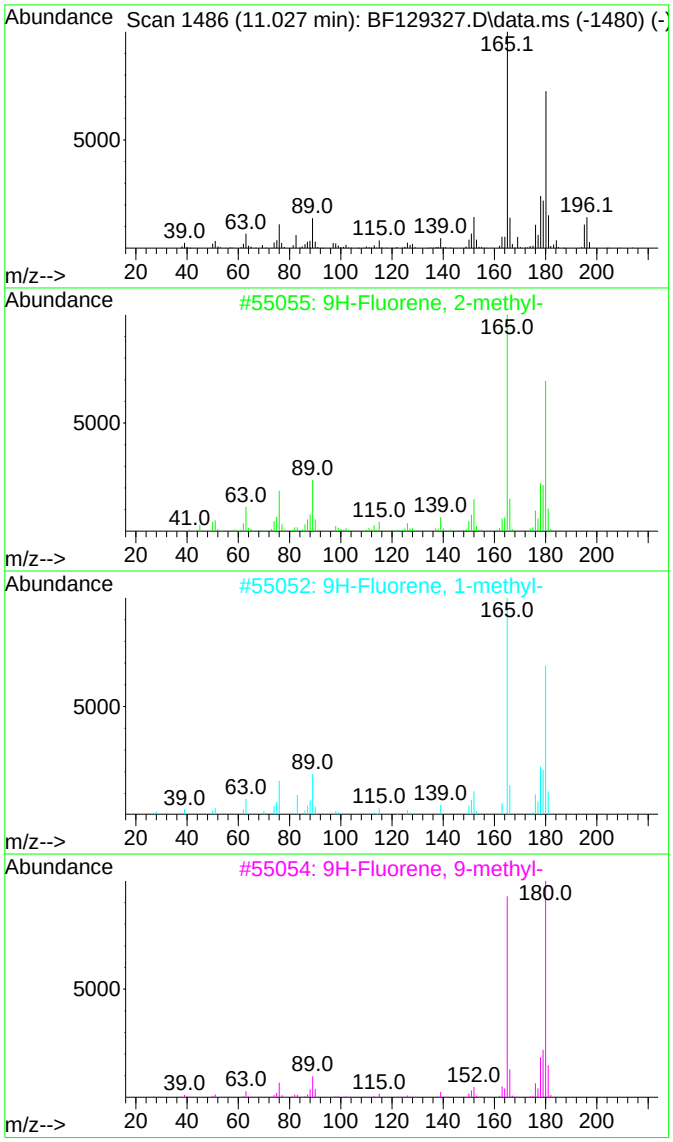
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

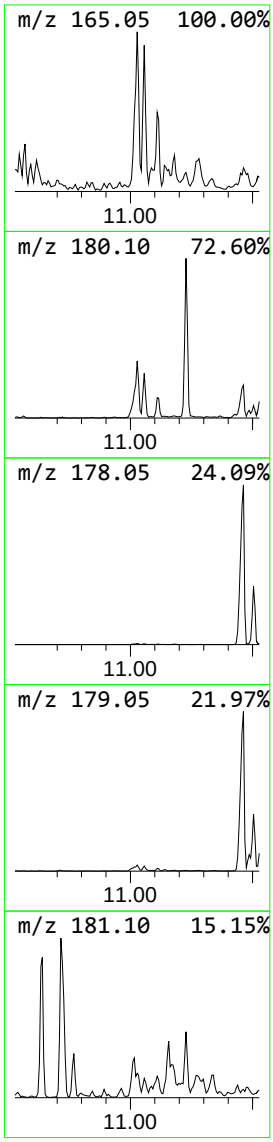
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 9H-Fluorene, 2-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.027	13.19 ng	494054	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	96
2	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
3	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	93
4	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	89
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

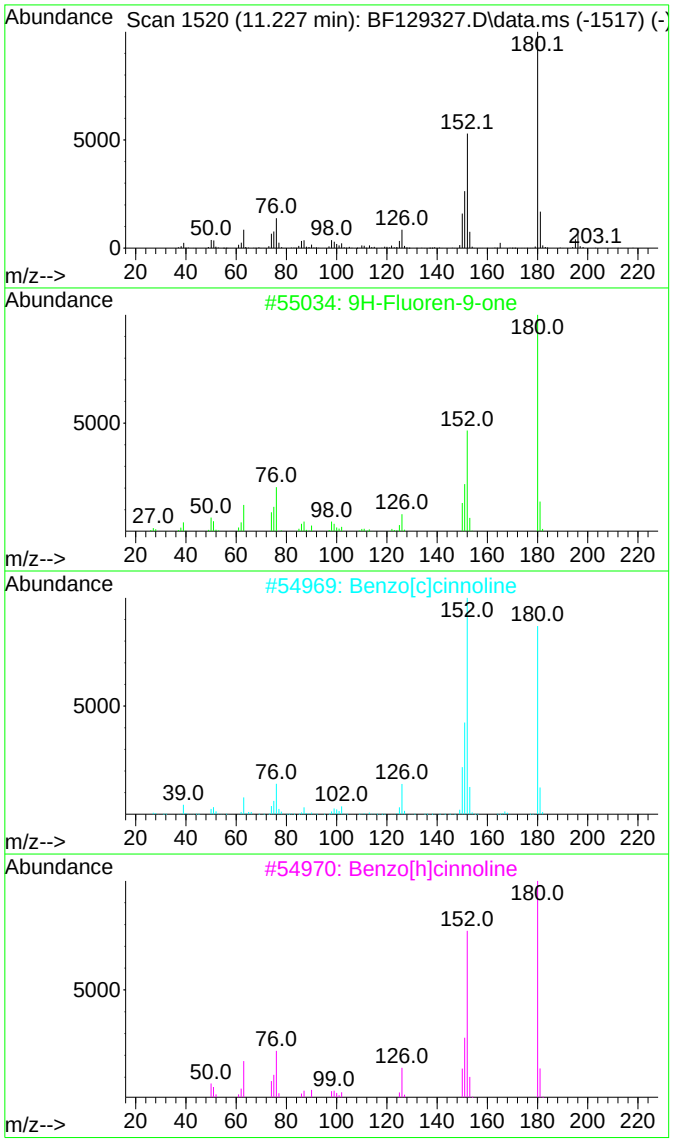
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

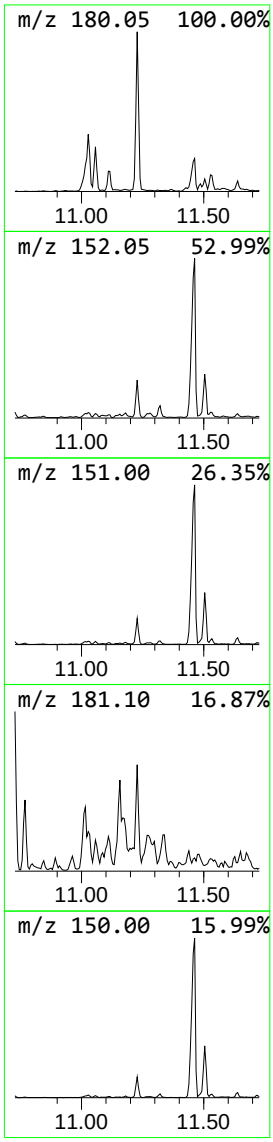
****

Peak Number 4 9H-Fluoren-9-one Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.227	13.09 ng	490409	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	94
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	74
5	Phenanthrene, 9,10-dihydro-	180	C14H12	000776-35-2	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

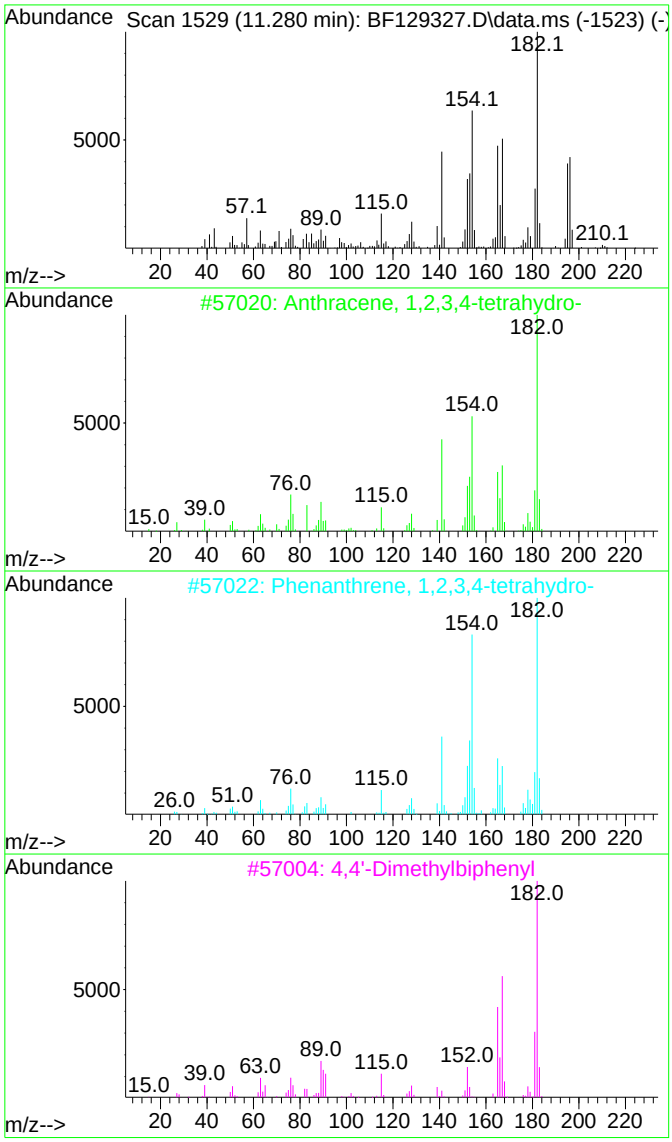
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

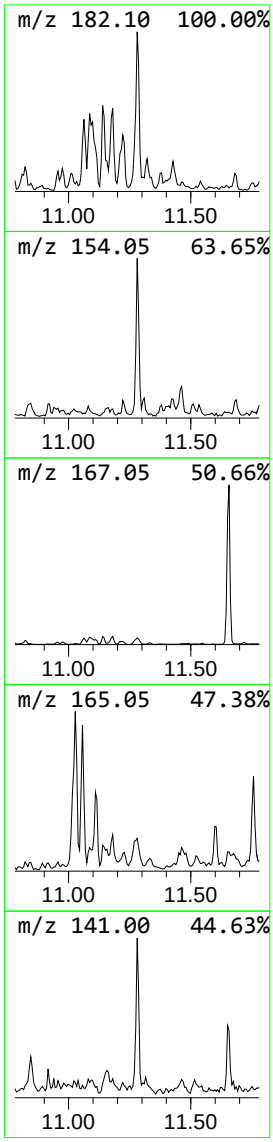
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 Anthracene, 1,2,3,4-tetrahy... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.280	11.78 ng	441110	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 1,2,3,4-tetrahydro-	182	C14H14	002141-42-6	83
2	Phenanthrene, 1,2,3,4-tetrahydro-	182	C14H14	001013-08-7	50
3	4,4'-Dimethylbiphenyl	182	C14H14	000613-33-2	49
4	3,3'-Dimethylbiphenyl	182	C14H14	000612-75-9	46
5	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	44





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Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-3(0-5)

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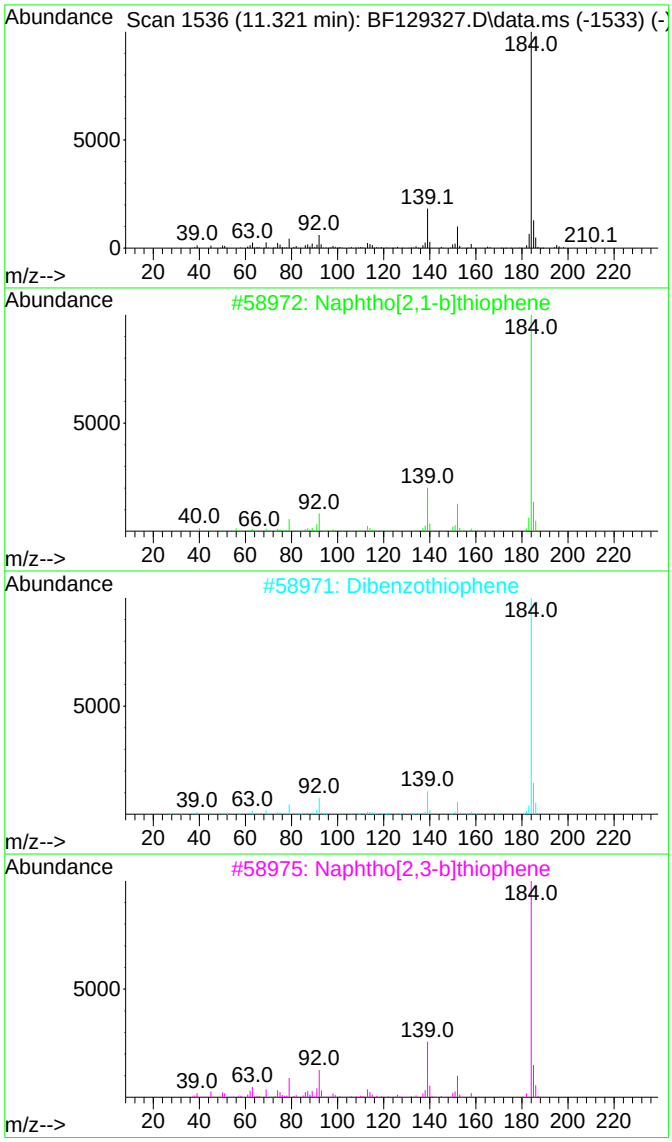
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

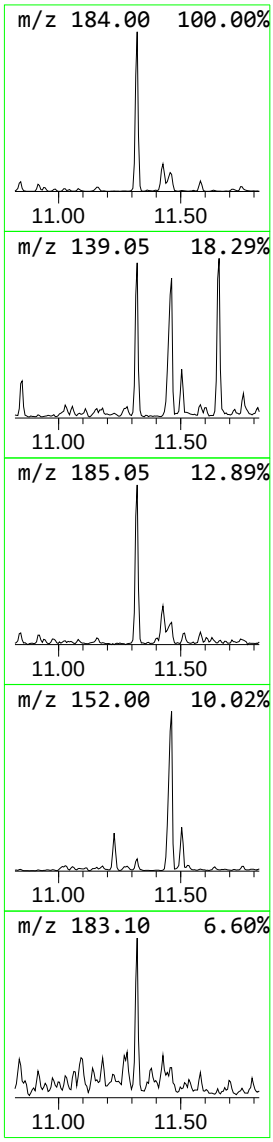
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Naphtho[2,1-b]thiophene Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.322	15.36 ng	575520	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[2,1-b]thiophene	184	C12H8S	000233-02-3	96
2	Dibenzothiophene	184	C12H8S	000132-65-0	95
3	Naphtho[2,3-b]thiophene	184	C12H8S	000268-77-9	95
4	Naphtho[1,2-b]thiophene	184	C12H8S	000234-41-3	95
5	Azuleno(2,1-b)thiophene	184	C12H8S	000248-13-5	90





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Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

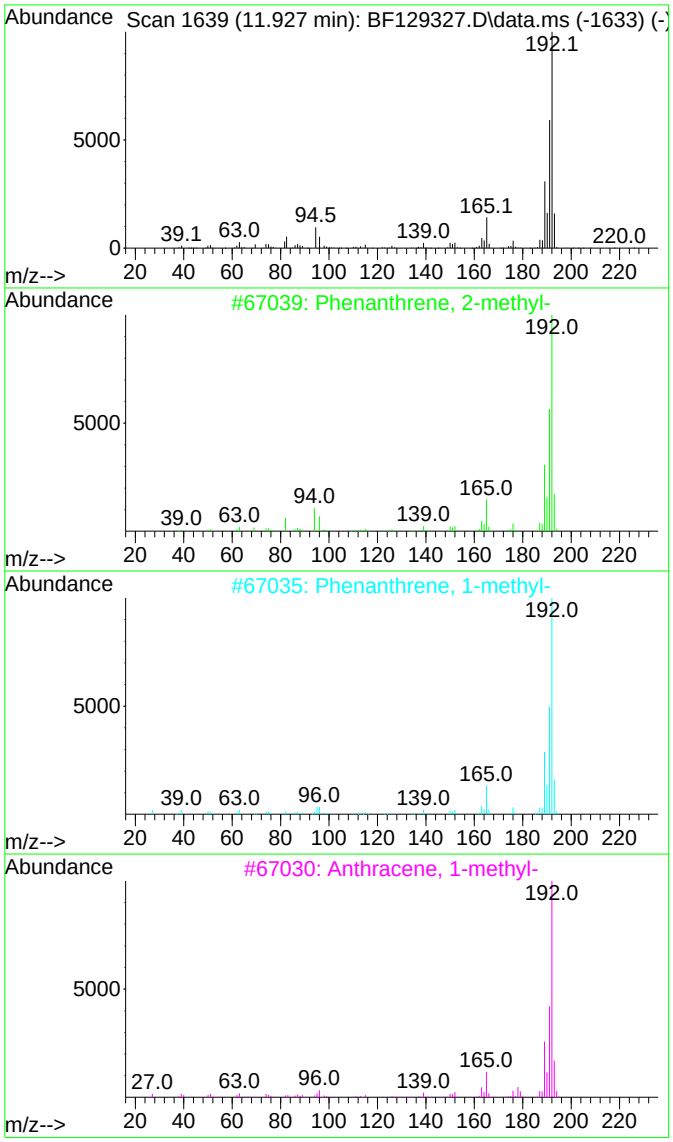
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

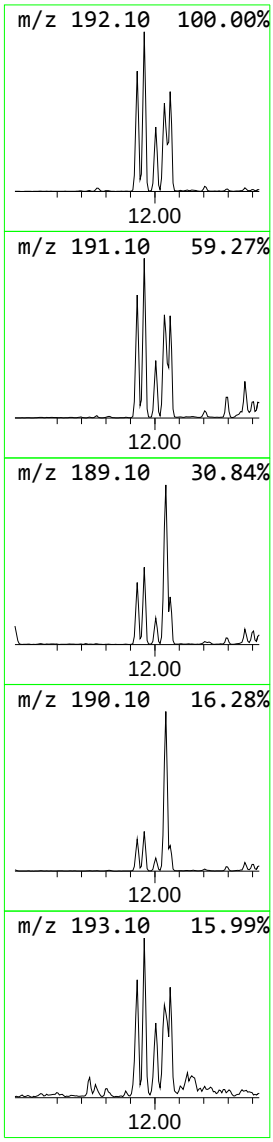
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Phenanthrene, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.927	39.23 ng	1469610	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	93
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
5	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	91





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Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

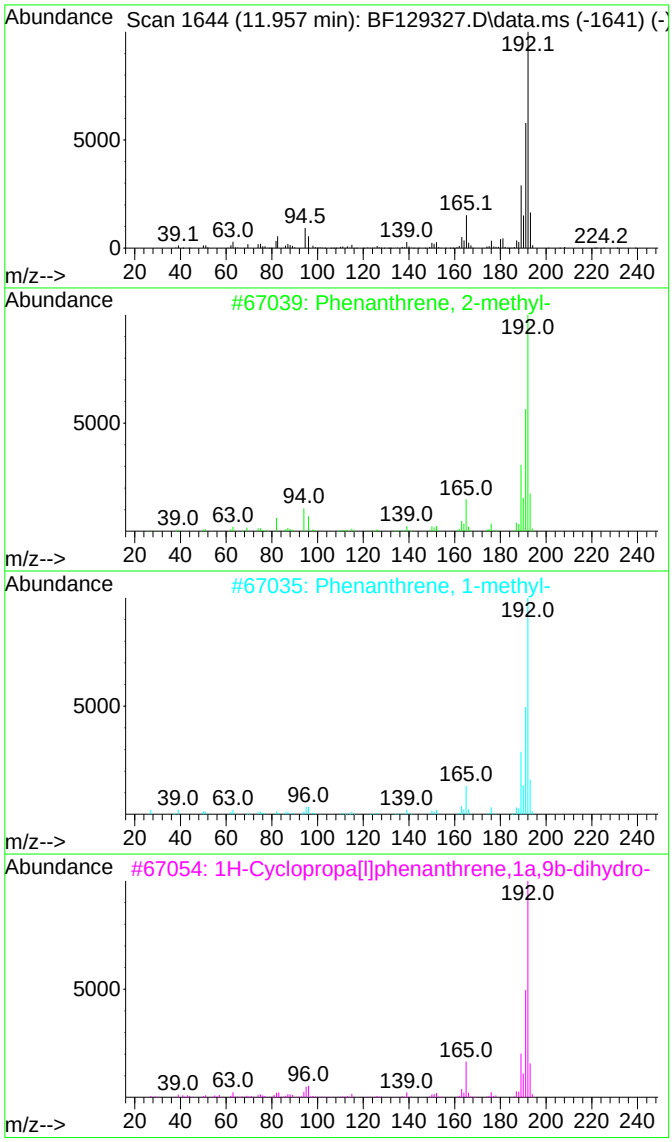
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

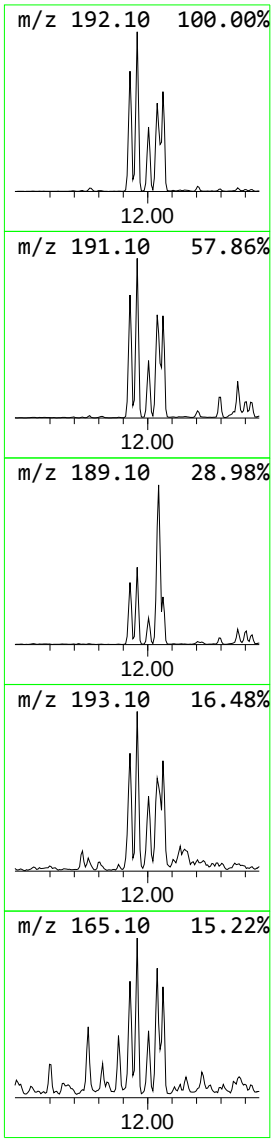
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	48.03 ng	1799270	Phenanthrene-d10	11.427

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	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	95





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Acq On : 22 Jul 2022 21:27
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Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

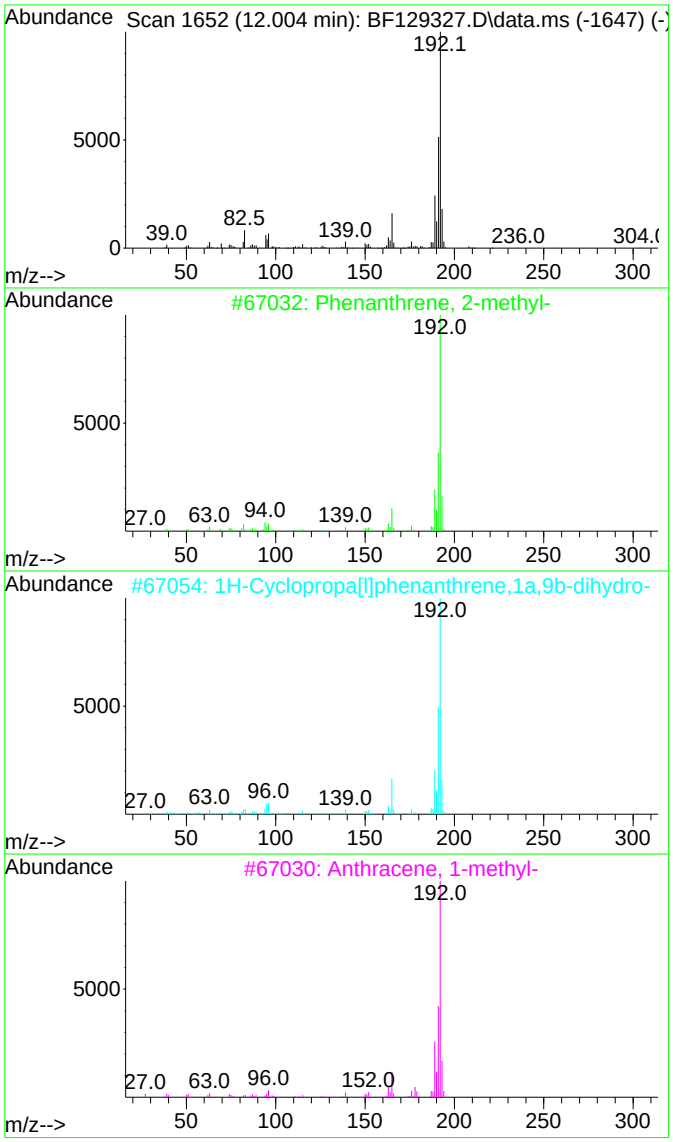
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

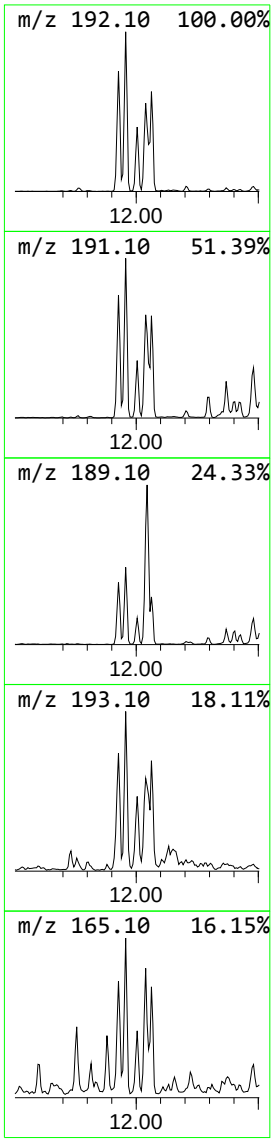
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.004	20.72 ng	776303	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	96
4	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	95





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Acq On : 22 Jul 2022 21:27
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Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-3(0-5)

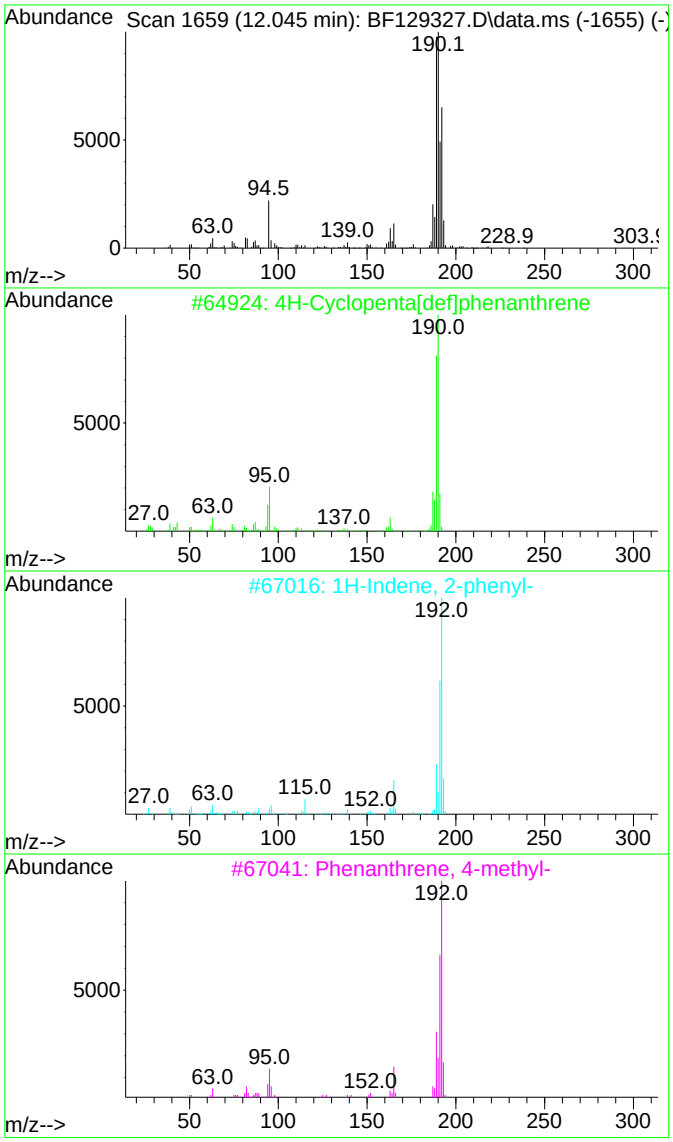
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

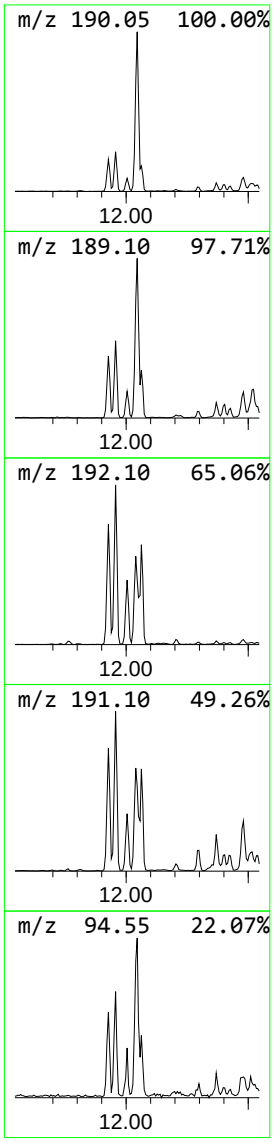
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.045	65.55 ng	2455550	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	60
2	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	38
3	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	38
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	30
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25





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Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-3(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

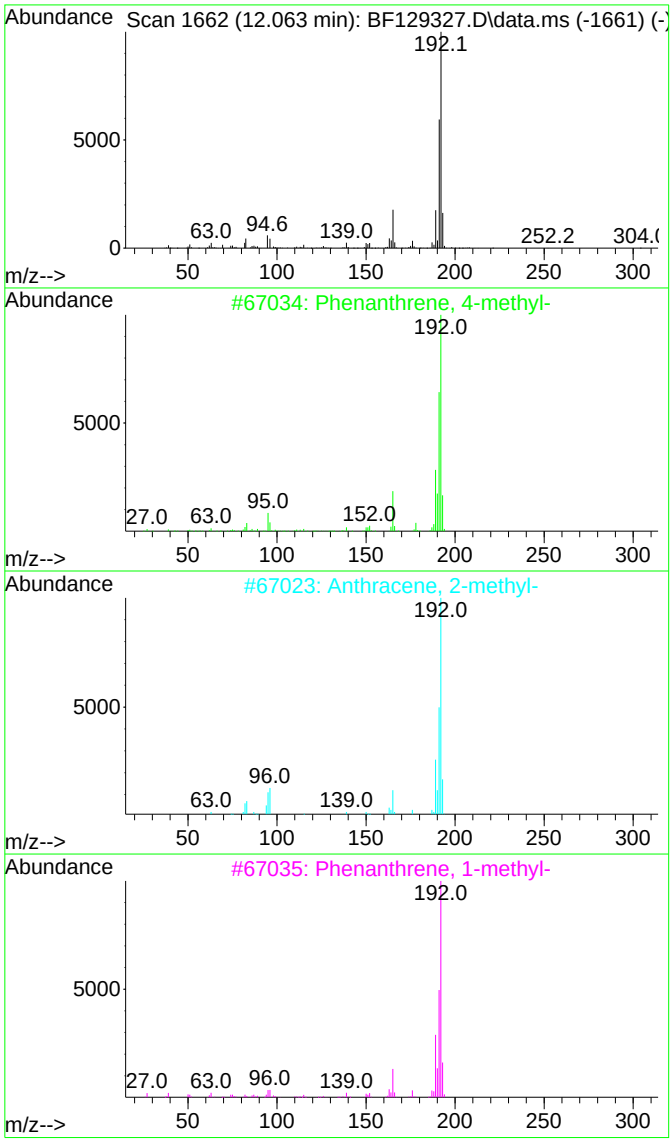
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

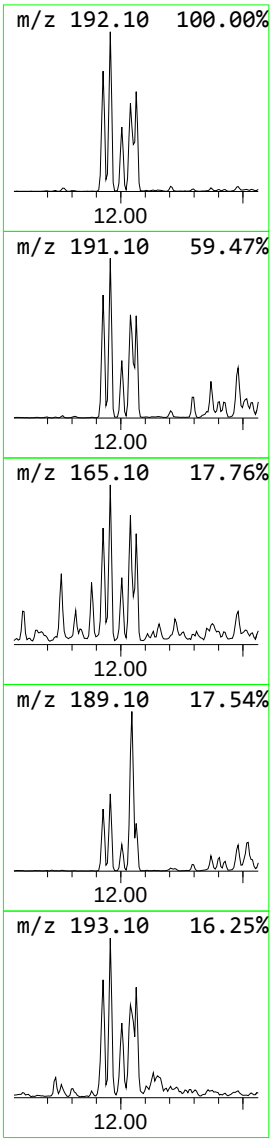
****

Peak Number 11 Phenanthrene, 4-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.063	21.42 ng	802316	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Propyne, 1,3-diphenyl-	192	C15H12	004980-70-5	90
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	90





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Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-3(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

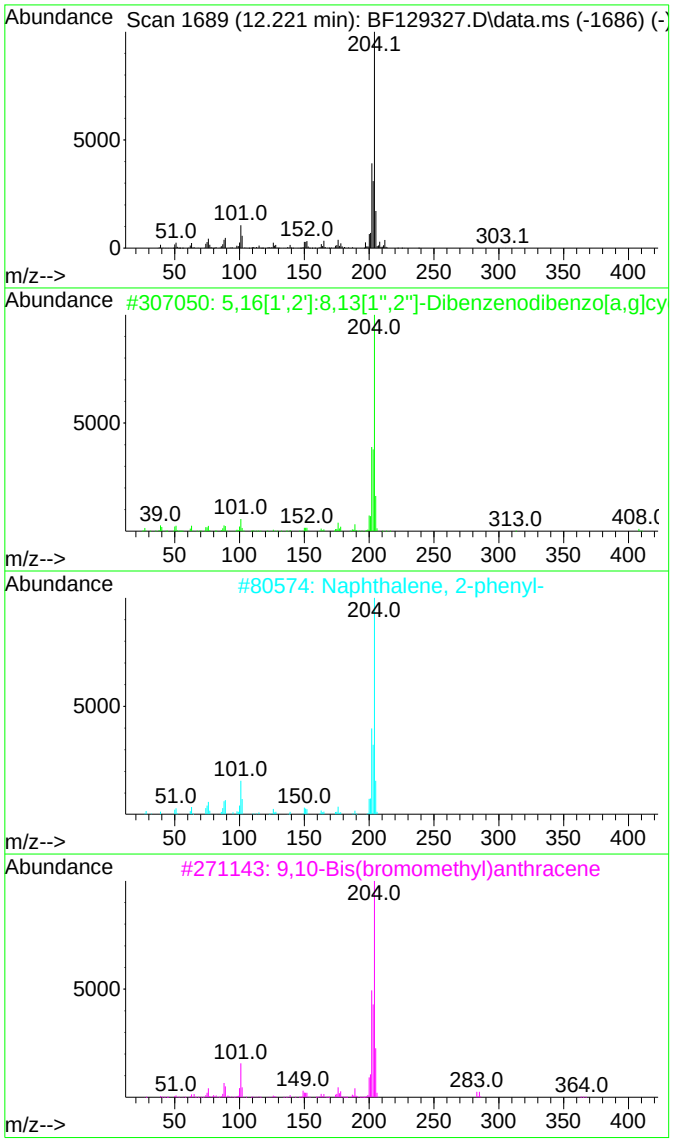
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

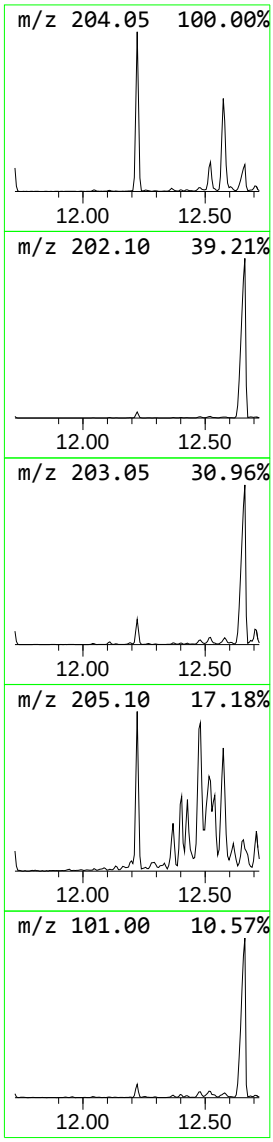
****

Peak Number 12 5,16[1',2']:8,13[1'',2'']-D... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.221	22.14 ng	829289	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	86
2	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	86
3	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	62
4	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	58
5	6-Cyanophenanthridine	204	C14H8N2	002176-28-5	49





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Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-3(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

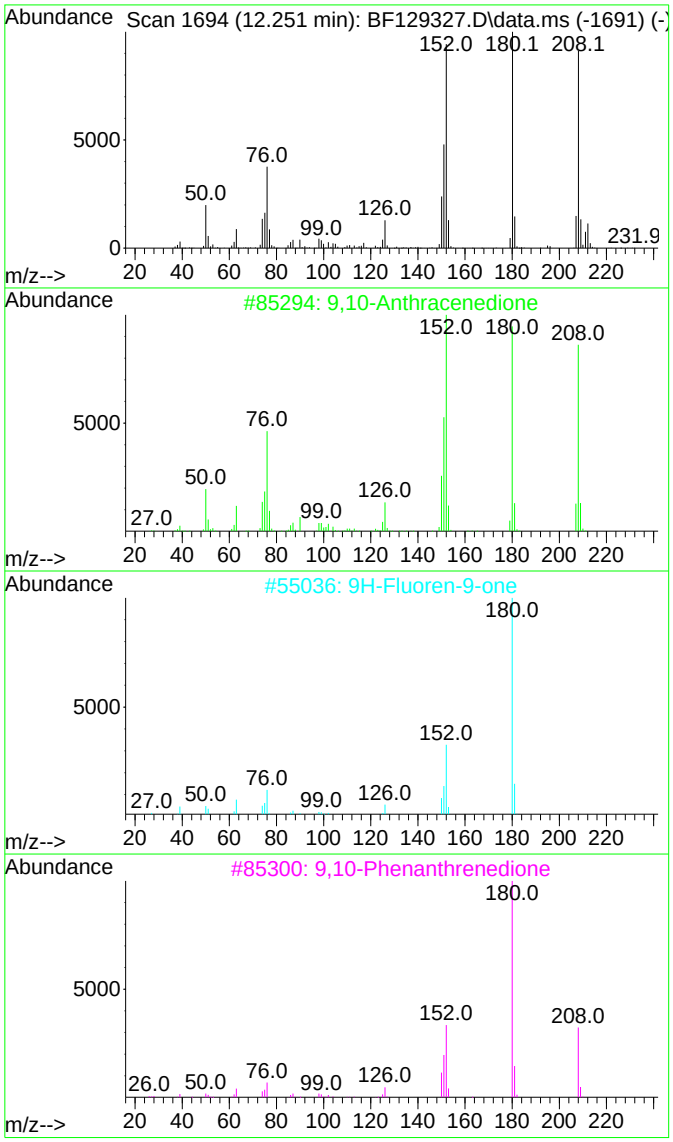
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

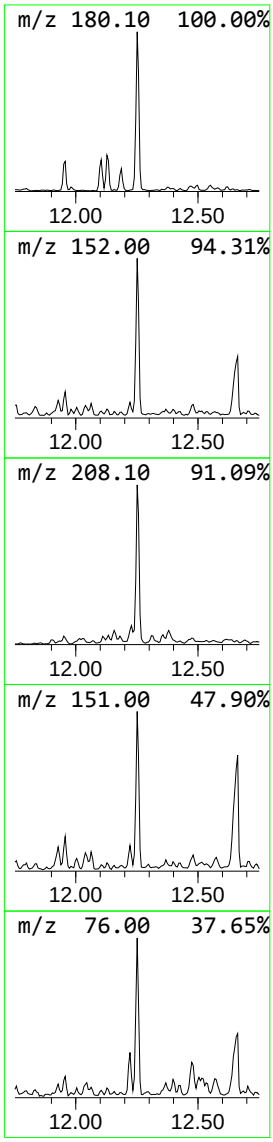
****

Peak Number 13 9,10-Anthracenedione Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.251	21.65 ng	810977	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	99
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	83
4	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	64
5	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60





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Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
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ClientSampleId :
ENV-DE-3(0-5)

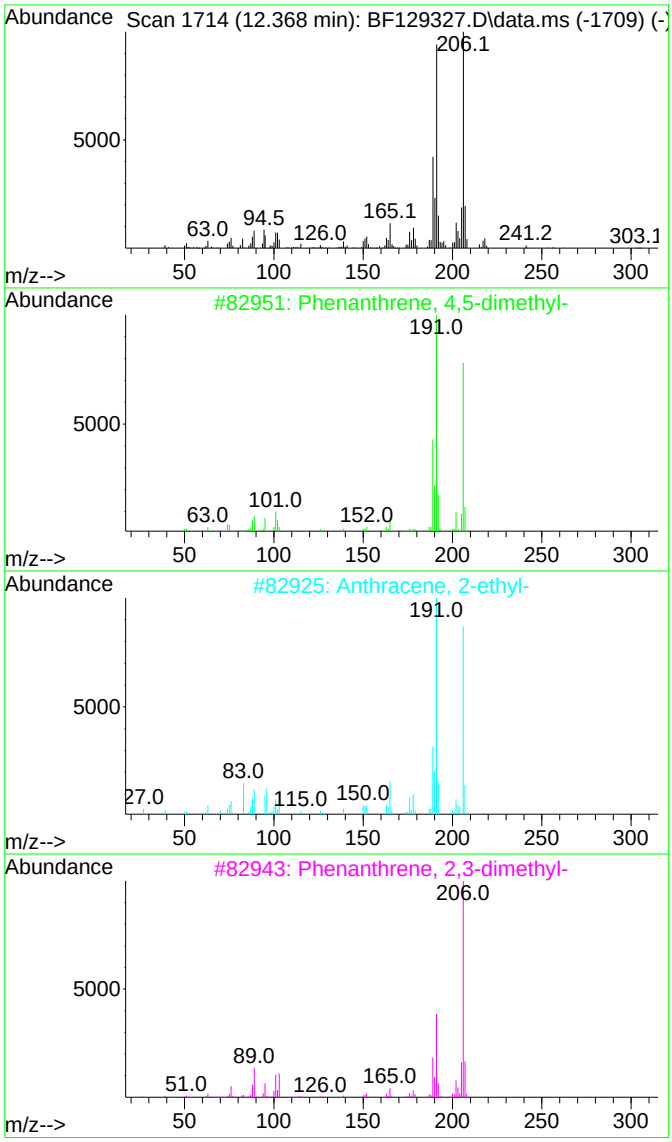
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

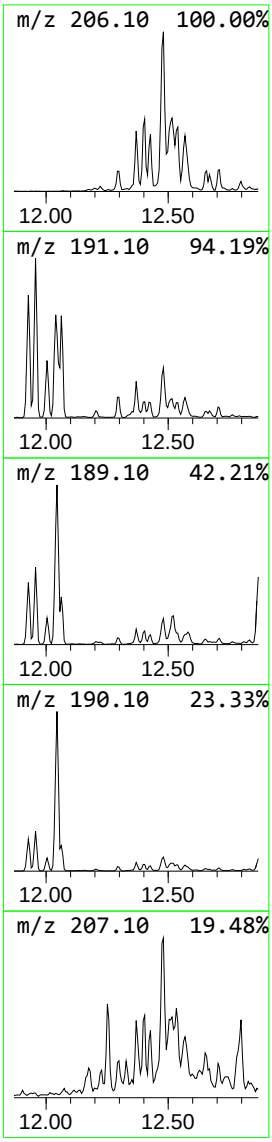
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Phenanthrene, 4,5-dimethyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.368	13.90 ng	520570	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 4,5-dimethyl-	206	C16H14	003674-69-9	96
2	Anthracene, 2-ethyl-	206	C16H14	052251-71-5	96
3	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	94
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	93
5	9,10-Dimethylanthracene	206	C16H14	000781-43-1	87





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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
ENV-DE-3(0-5)

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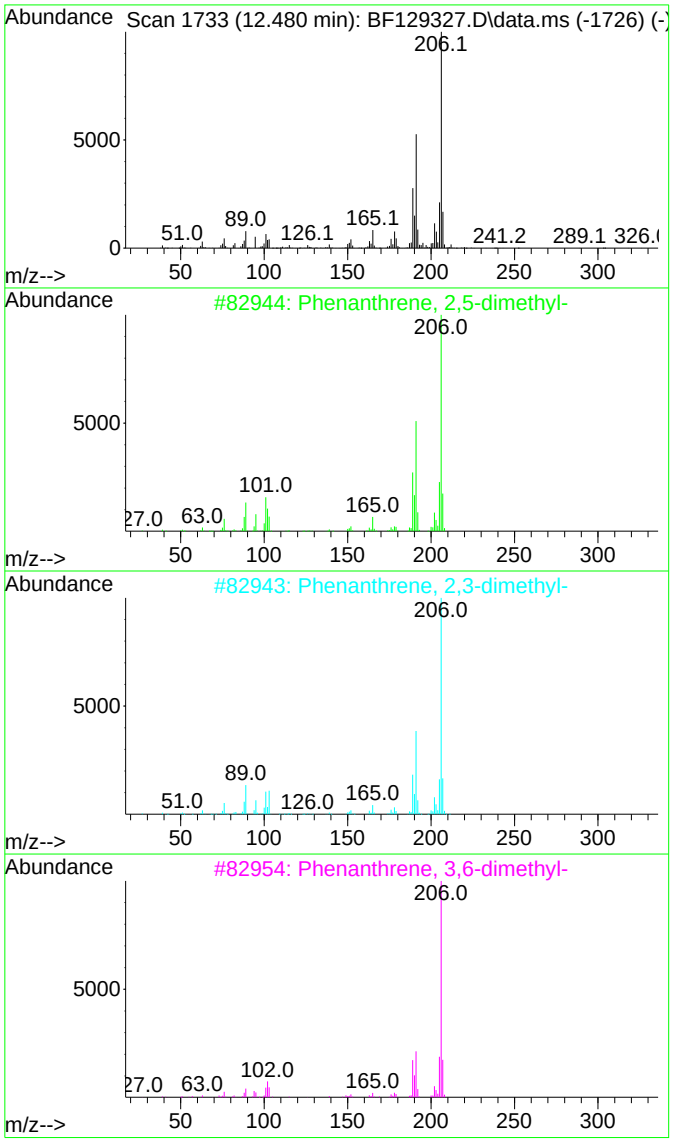
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

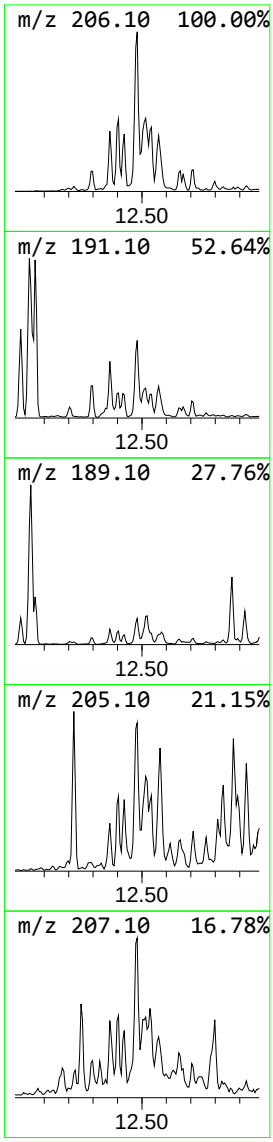
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Phenanthrene, 2,5-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.480	28.04 ng	1050330	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	94
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	91
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
5	di-p-Tolylacetylene	206	C16H14	002789-88-0	91





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Misc :
ALS Vial : 14 Sample Multiplier: 1

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ClientSampleId :
ENV-DE-3(0-5)

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

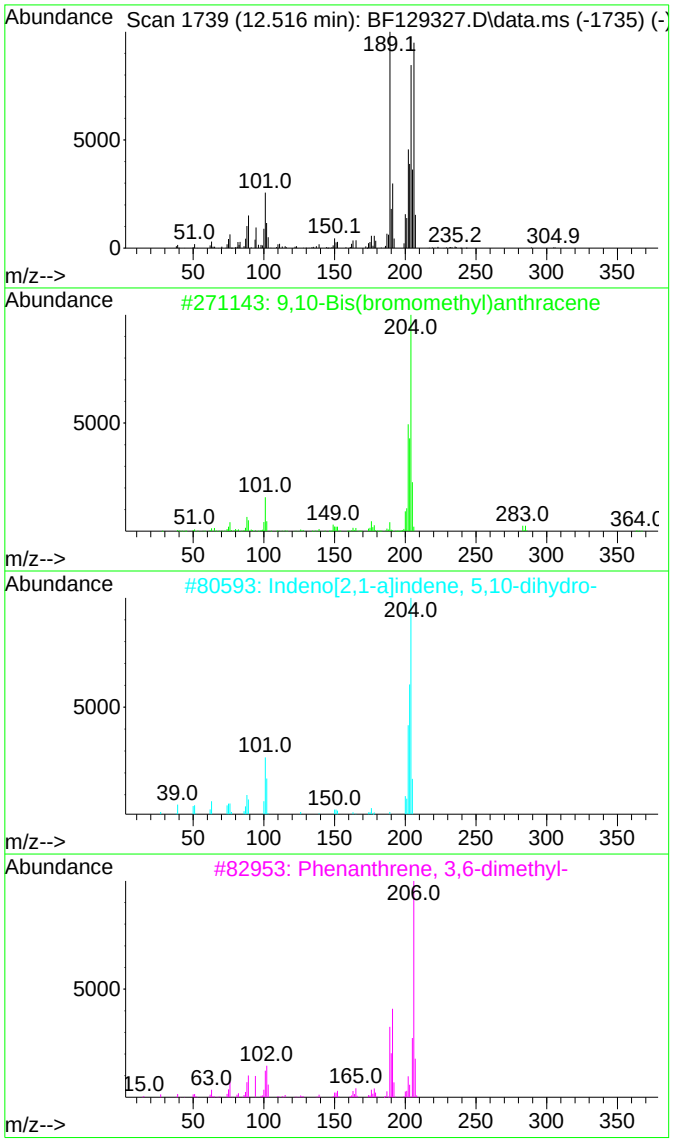
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

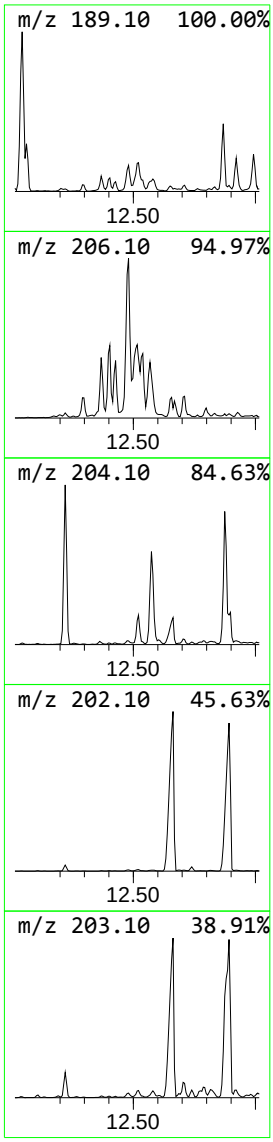
****

Peak Number 16 unknown12.515 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.515	18.46 ng	691553	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Bis(bromomethyl)anthracene	362	C16H12Br2	034373-96-1	43
2	Indeno[2,1-a]indene, 5,10-dihydro-	204	C16H12	006543-29-9	42
3	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	38
4	5H-Dibenzo[a,d]cycloheptene, 5-m...	204	C16H12	002975-79-3	38
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

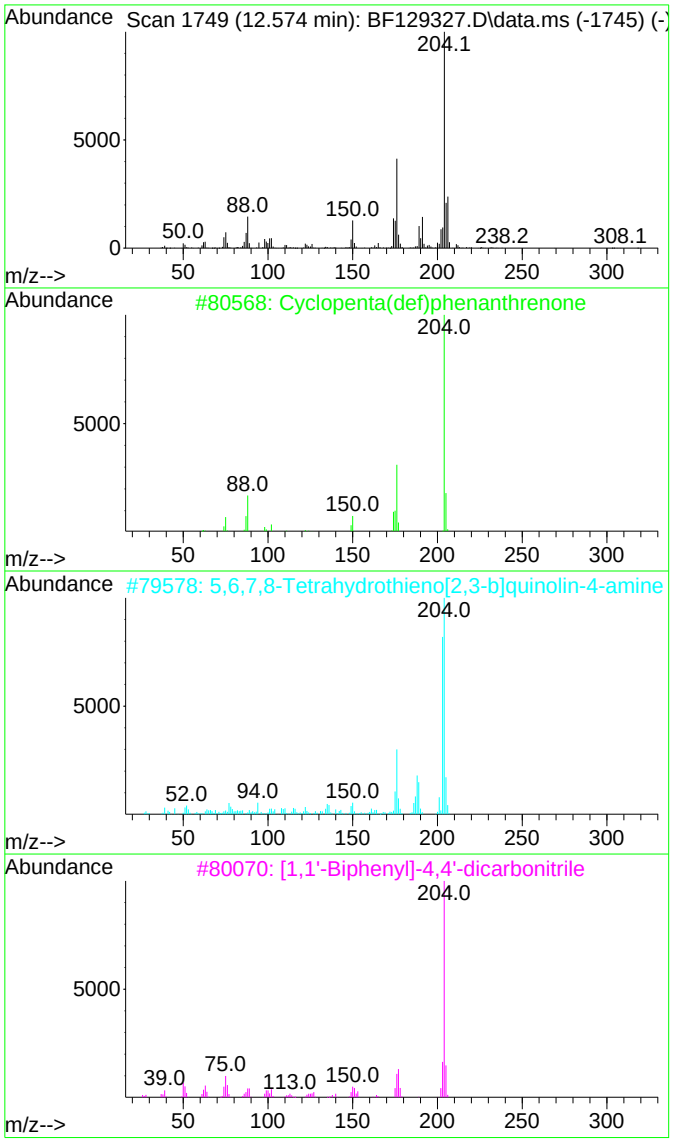
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

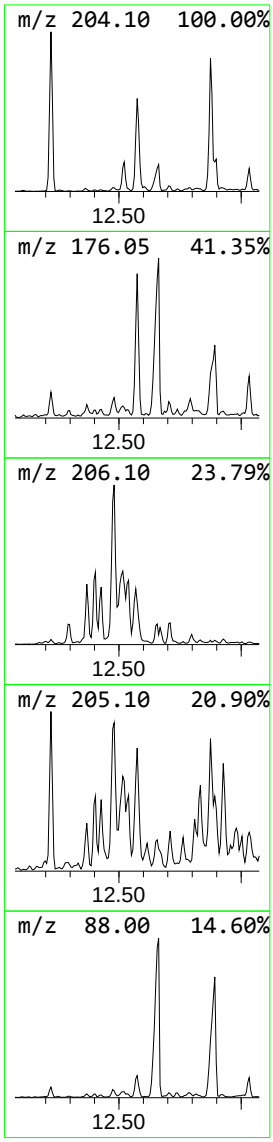
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Cyclopenta(def)phenanthrenone Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	24.35 ng	911935	Phenanthrene-d10	11.427

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	5,6,7,8-Tetrahydrothieno[2,3-b]q...	204	C11H12N2S	122914-50-5	47
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	47
4	3-pyrazolidinone, 4,4-dimethyl-1...	204	C12H16N2O	1000400-48-1	46
5	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	43





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Misc :
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Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

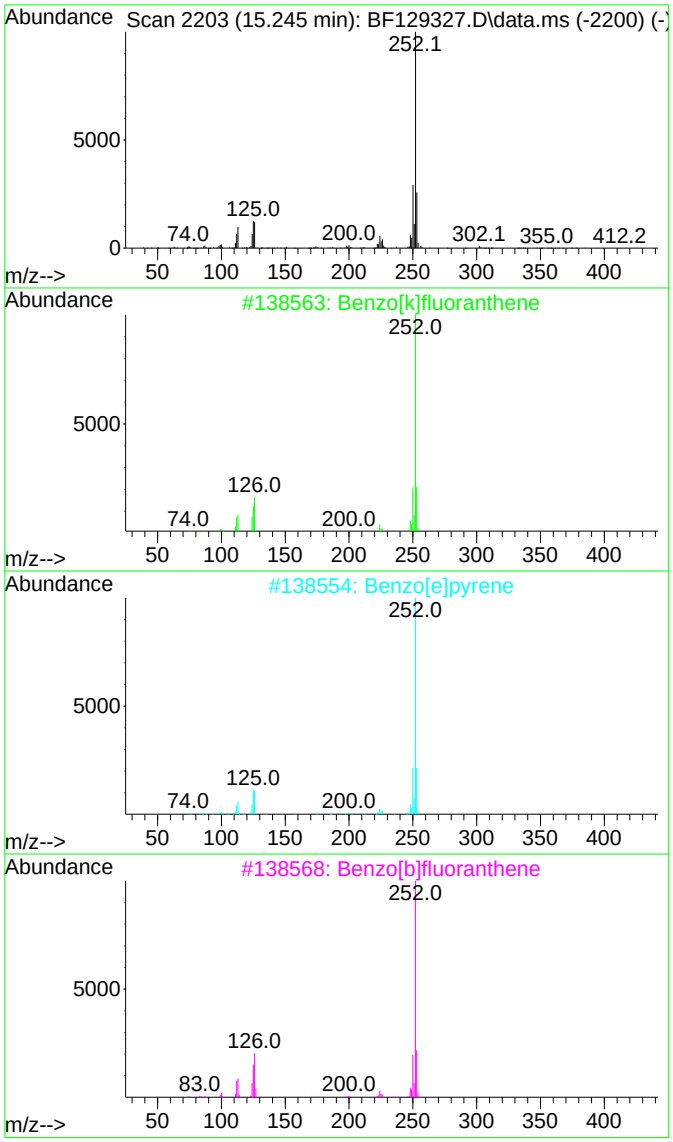
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

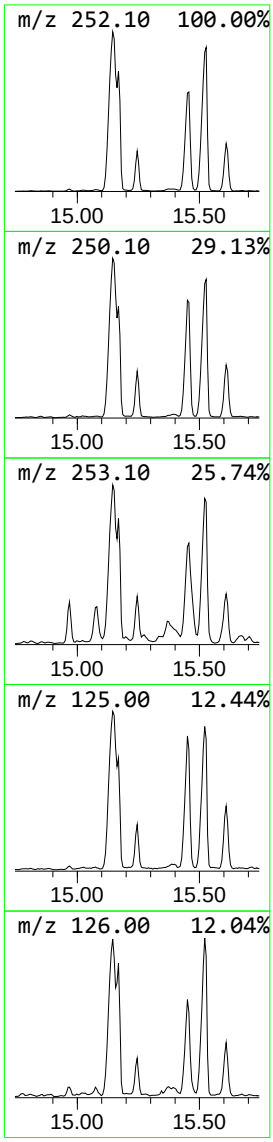
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.245	16.16 ng	833461	Perylene-d12	15.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	97
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	81





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Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

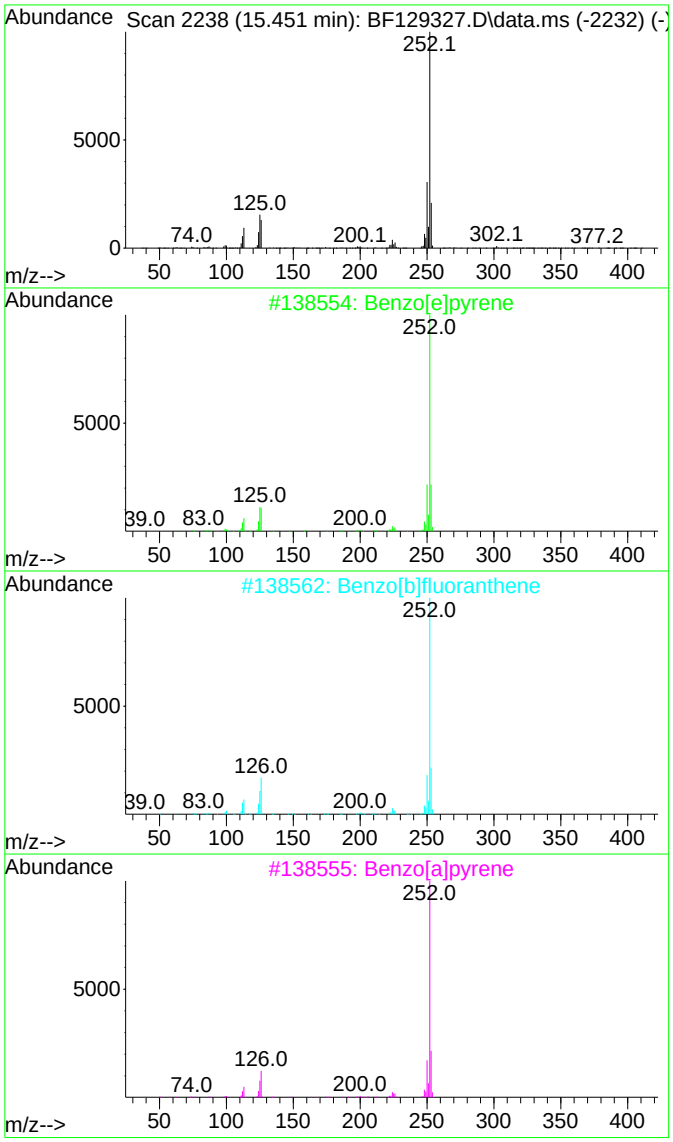
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

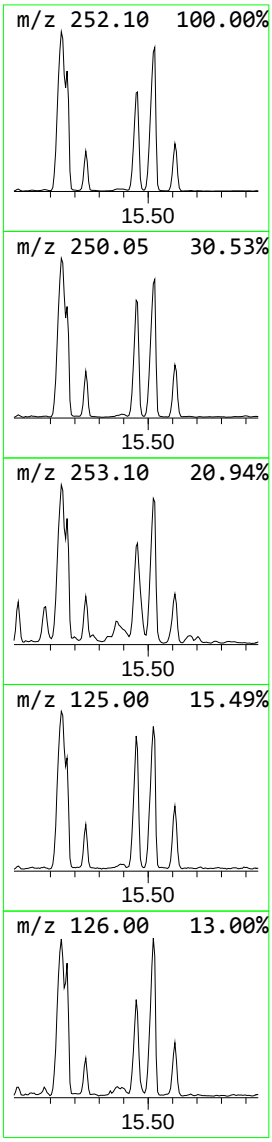
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.451	70.52 ng	3636830	Perylene-d12	15.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	94
2	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93
3	Benzo[a]pyrene	252	C20H12	000050-32-8	93
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93
5	Perylene	252	C20H12	000198-55-0	91





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Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

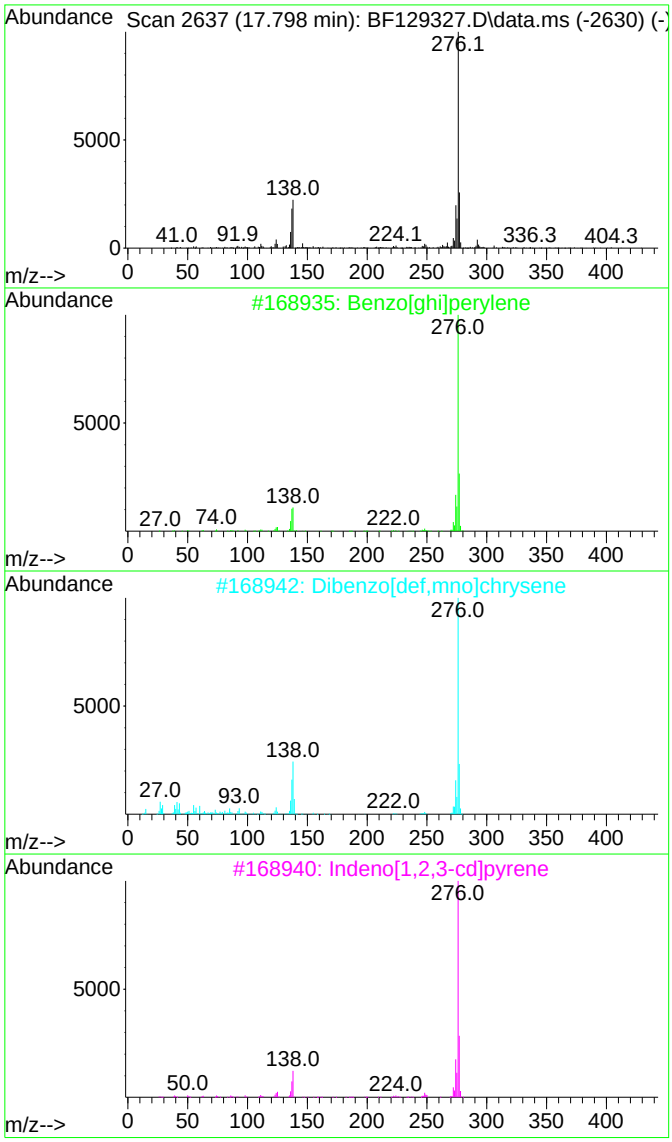
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

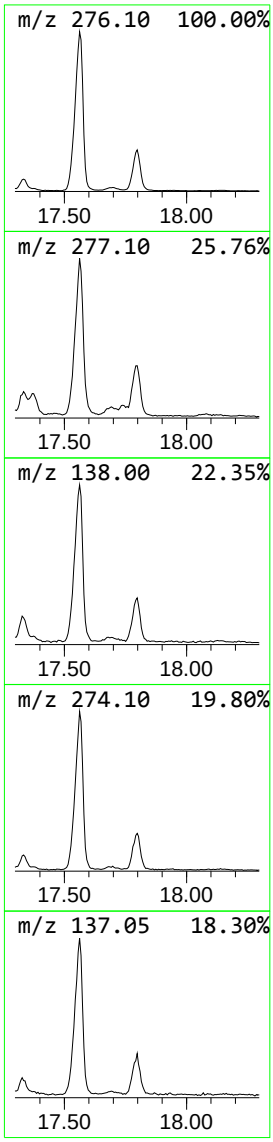
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.797	17.60 ng	907559	Perylene-d12	15.574

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[ghi]perylene	276	C22H12	000191-24-2	96
2	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	95
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	89
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	74
5	Phenol, 2-(4-chlorophenyliminome...	276	C13H9ClN2O3	1000262-90-3	53





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
Data File : BF129327.D
Acq On : 22 Jul 2022 21:27
Operator : CG\JU
Sample : N3814-04 5X
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
ENV-DE-3(0-5)

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.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
Naphthalene, 2,...	9.516	11.6	ng	537485	3	9.933	929946	20.0
Naphthalene, 2,...	9.586	15.9	ng	737030	3	9.933	929946	20.0
9H-Fluorene, 2-...	11.027	13.2	ng	494054	4	11.427	749170	20.0
9H-Fluoren-9-one	11.227	13.1	ng	490409	4	11.427	749170	20.0
Anthracene, 1,2...	11.280	11.8	ng	441110	4	11.427	749170	20.0
Naphtho[2,1-b]t...	11.322	15.4	ng	575520	4	11.427	749170	20.0
Phenanthrene, 2...	11.927	39.2	ng	1469610	4	11.427	749170	20.0
Phenanthrene, 1...	11.957	48.0	ng	1799270	4	11.427	749170	20.0
1H-Cyclopropa[1...	12.004	20.7	ng	776303	4	11.427	749170	20.0
4H-Cyclopenta[d...	12.045	65.5	ng	2455550	4	11.427	749170	20.0
Phenanthrene, 4...	12.063	21.4	ng	802316	4	11.427	749170	20.0
5,16[1',2']:8,1...	12.221	22.1	ng	829289	4	11.427	749170	20.0
9,10-Anthracene...	12.251	21.6	ng	810977	4	11.427	749170	20.0
Phenanthrene, 4...	12.368	13.9	ng	520570	4	11.427	749170	20.0
Phenanthrene, 2...	12.480	28.0	ng	1050330	4	11.427	749170	20.0
unknown12.515	12.515	18.5	ng	691553	4	11.427	749170	20.0
Cyclopenta(def)...	12.574	24.4	ng	911935	4	11.427	749170	20.0
Benzo[e]pyrene	15.245	16.2	ng	833461	6	15.574	1031460	20.0
Perylene	15.451	70.5	ng	3636830	6	15.574	1031460	20.0
Dibenzo[def,mno...	17.797	17.6	ng	907559	6	15.574	1031460	20.0