LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : OR-02-042622

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF127967.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.551	550	555	558	rBV	2677967	2496336	99.36%	5.604%
2	6.551	720	725	728	rBV	2416347	2512517	100.00%	5.640%
3	6.928	786	789	793	rVB	765441	601959	23.96%	1.351%
4	7.493	880	885	888	rBV	1793332	1691297	67.31%	3.797%
5	8.210	1003	1007	1010	rBV	790189	742442	29.55%	1.667%
6	8.234	1010	1011	1014	rVB	158631	86948	3.46%	0.195%
7	9.287	1186	1190	1193	rBV	2904873	2504488	99.68%	5.622%
8	9.551	1229	1235	1240	rBV2	40328	57032	2.27%	0.128%
9	9.622	1240	1247	1250	rBV	67507	80296	3.20%	0.180%
10	9.834	1279	1283	1286	rVB	60042	56241	2.24%	0.126%
11	9.969	1300	1306	1309	rBV	841855	726101	28.90%	1.630%
12	10.004	1309	1312	1315	rVB	462573	369883	14.72%	0.830%
13	10.175	1337	1341	1344	rBV	183885	155362	6.18%	0.349%
14	10.516	1396	1399	1404	rBV	278993	267919	10.66%	0.601%
15	10.586	1409	1411	1412	rVV	60305	47529	1.89%	0.107%
16	10.675	1424	1426	1431	rVB	89682	73111	2.91%	0.164%
17	10.757	1436	1440	1444	rVV	1351145	1332239	53.02%	2.991%
18	10.792	1444	1446	1452	rVV2	31522	53429	2.13%	0.120%
19	10.881	1455	1461	1467	rVB5	45173	88223	3.51%	0.198%
20	11.069	1486	1493	1495	rBV	87343	107535	4.28%	0.241%
21	11.192	1509	1514	1516	rBV2	50825	64776	2.58%	0.145%
22	11.216	1516	1518	1523	rVV3	64982	76038	3.03%	0.171%
23	11.263	1523	1526	1530	rVV2	56243	54366	2.16%	0.122%
24	11.304	1530	1533	1538	rVV2	56769	88737	3.53%	0.199%
25	11.357	1538	1542	1546	rVB	80339	81885	3.26%	0.184%
26	11.463	1556	1560	1562	rBV	696615	633466	25.21%	1.422%
27	11.486	1562	1564	1567	rVV	1121118	839103	33.40%	1.884%
28	11.539	1567	1573	1575	rVV	288506	292957	11.66%	0.658%
29	11.569	1575	1578	1584	rVB2	70934	90386	3.60%	0.203%
30	11.692	1594	1599	1604	rBV2	158689	189970	7.56%	0.426%
31	11.963	1639	1645	1648	rBV2	162783	205441	8.18%	0.461%
32	11.992	1648	1650	1653	rVB	239983	188977	7.52%	0.424%
33	12.039	1653	1658	1661	rBV	140842	137116	5.46%	0.308%
34	12.080	1661	1665	1671	rVB2	364897	456920	18.19%	1.026%
35	12.257	1693	1695	1697	rBV	100245	81123	3.23%	0.182%
36	12.286	1697	1700	1703	rVB	90785	81453	3.24%	0.183%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.463	1728	1730	1732	rBV	66382	48765	1.94%	0.109%
38	12.510	1735	1738	1742	rBV	120854	142315	5.66%	0.319%
39	12.551	1742	1745	1747	rVV2	75619	82799	3.30%	0.186%
40	12.604	1750	1754	1759	rBV	206002	237806	9.46%	0.534%
41	12.680	1763	1767	1770	rVV	2280149	2024925	80.59%	4.546%
42	12.739	1775	1777	1780	rVB2	79601	68019	2.71%	0.153%
43	12.833	1785	1793	1795	rBV3	89683	182601	7.27%	0.410%
44	12.910	1800	1806	1811	rBV2	1876257	2384994	94.92%	5.354%
45	12.957	1811	1814	1818	rVB2	137374	153363	6.10%	0.344%
46	13.027	1818	1826	1827	rBV	204891	230119	9.16%	0.517%
47	13.051	1827	1830	1836	rVB2	1822380	1883345	74.96%	4.228%
48	13.122	1837	1842	1847	rBV3	284680	465241	18.52%	1.044%
49	13.233	1854	1861	1864	rVB2	483806	844215	33.60%	1.895%
50	13.269	1864	1867	1869	rBV2	60113	48986	1.95%	0.110%
51	13.304	1869	1873	1875	rBV	362902	308111	12.26%	0.692%
52	13.339	1875	1879	1882	rVV2	387299	451297	17.96%	1.013%
53	13.369	1882	1884	1886	rVB	118411	93542	3.72%	0.210%
54	13.398	1886	1889	1892	rVB	75745	75688	3.01%	0.170%
55	13.433	1892	1895	1898	rBV	312839	282126	11.23%	0.633%
56	13.463	1898	1900	1903	rVV2	206337	196822	7.83%	0.442%
57	13.610	1922	1925	1927	rBV3	86500	112021	4.46%	0.251%
58	13.639	1928	1930	1932	rVV3	125968	145762	5.80%	0.327%
59	13.686	1936	1938	1940	rVV2	87391	74577	2.97%	0.167%
60	13.716	1940	1943	1945	rVV2	110762	133206	5.30%	0.299%
61	13.745	1945	1948	1952	rVV	322128	354254	14.10%	0.795%
62	13.804	1956	1958	1962	rVV	87886	93709	3.73%	0.210%
63	13.857	1962	1967	1970	rVV3	303139	405559	16.14%	0.910%
64	13.886	1970	1972	1974	rVV	349450	305317	12.15%	0.685%
65	13.910	1974	1976	1980	rVV2	314584	446180	17.76%	1.002%
66	13.951	1981	1983	1988	rVB	230039	222484	8.86%	0.499%
67	14.027	1993	1996	2001	rVB	96319	134015	5.33%	0.301%
68	14.080	2001	2005	2006	rBV	245828	255871	10.18%	0.574%
69	14.104	2006	2009	2013	rVV2	1495052	2366853	94.20%	5.313%
70	14.139	2013	2015	2020	rVB	1282369	1131832	45.05%	2.541%
71	14.216	2026	2028	2030	rBV	211336	177578	7.07%	0.399%
72	14.321	2044	2046	2048	rBV	167667	157187	6.26%	0.353%
73	14.363	2051	2053	2056	rBV	101206	95154	3.79%	0.214%
74	14.427	2061	2064	2066	rBV4	49949	60310	2.40%	0.135%
75	14.457	2067	2069	2071	rBV	84002	72660	2.89%	0.163%
76	14.498	2071	2076	2078	rVB	371420	417710	16.63%	0.938%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

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-BF042222.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.527	2078	2081	2085	rVB2	261855	259586	10.33%	0.583%
78	14.563	2085	2087	2088	rBV2	72795	62446	2.49%	0.140%
79	14.621	2094	2097	2099	rBV	193112	160743	6.40%	0.361%
80	14.645	2099	2101	2104	rVB2	187576	152588	6.07%	0.343%
81	14.698	2107	2110	2113	rVB2	116598	131171	5.22%	0.294%
82	14.727	2113	2115	2118	rBV2	65434	59145	2.35%	0.133%
83	14.810	2125	2129	2132	rBV	155135	183360	7.30%	0.412%
84	14.839	2132	2134	2139	rVV4	88139	140730	5.60%	0.316%
85	14.892	2141	2143	2146	rVV2	78248	87093	3.47%	0.196%
86	14.927	2146	2149	2153	rVB3	102252	126438	5.03%	0.284%
87	15.004	2157	2162	2170	rVB3	145346	328057	13.06%	0.736%
88	15.074	2170	2174	2178	rBV2	103645	158414	6.30%	0.356%
89	15.180	2186	2192	2195	rBV	1466210	2468682	98.26%	5.542%
90	15.286	2207	2210	2213	rBV	198842	192879	7.68%	0.433%
91	15.380	2222	2226	2227	rBV3	96361	113735	4.53%	0.255%
92	15.492	2240	2245	2251	rVB	887982	1256722	50.02%	2.821%
93	15.557	2251	2256	2261	rBV	923638	1177220	46.85%	2.643%
94	15.621	2262	2267	2270	rBV	585132	788269	31.37%	1.770%
95	15.657	2270	2273	2279	rVB2	300458	452803	18.02%	1.016%
96	15.951	2320	2323	2327	rVB	68688	80859	3.22%	0.182%
97	16.121	2349	2352	2356	rBV3	34796	58233	2.32%	0.131%
98	17.157	2522	2528	2535	rVB2	288446	601713	23.95%	1.351%
99	17.404	2566	2570	2576	rVB2	65704	116925	4.65%	0.262%
100	17.621	2601	2607	2618	rVB	201418	408293	16.25%	0.917%

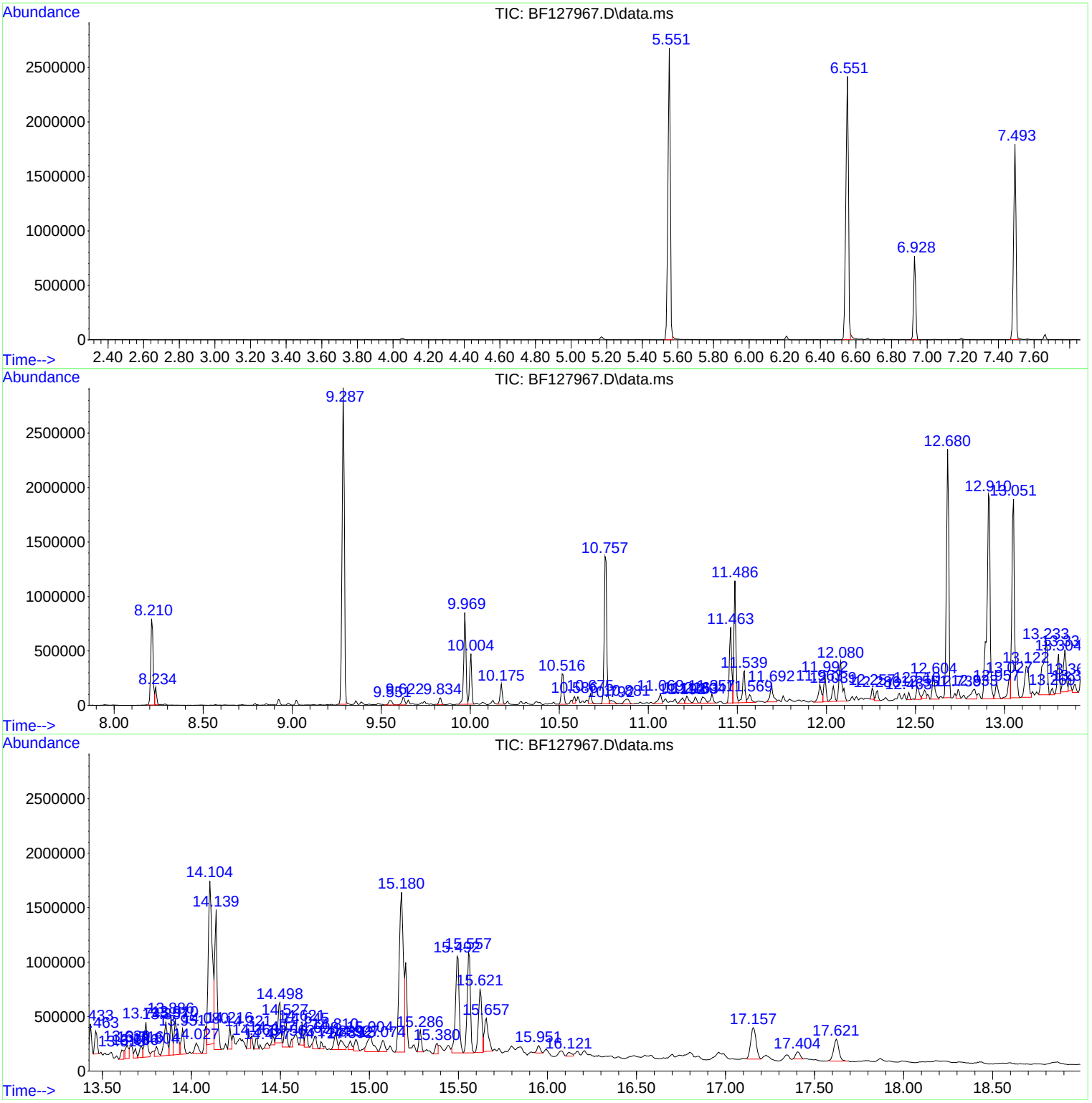
Sum of corrected areas: 44547023

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.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\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

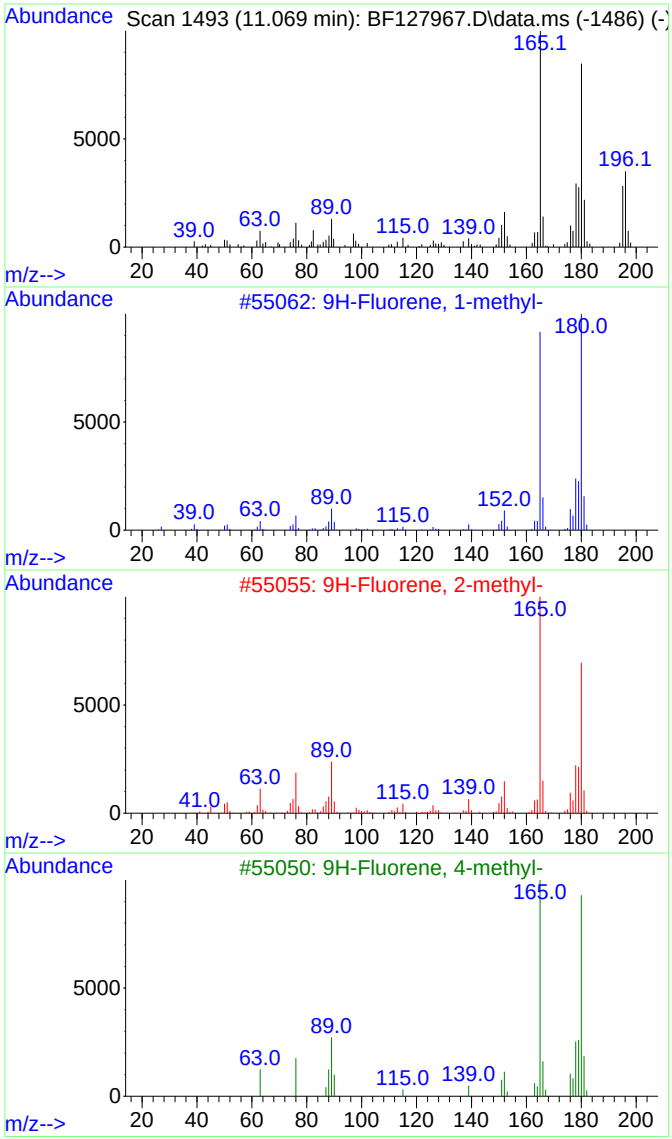
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

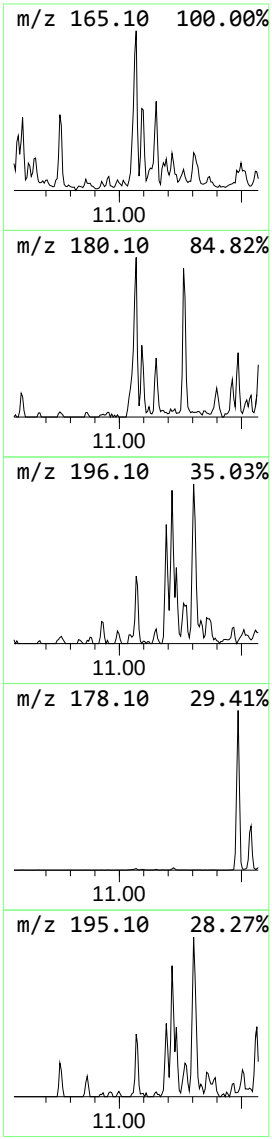
****

Peak Number 1 9H-Fluorene, 1-methyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.069	3.40 ng	107535	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluorene, 1-methyl-	180	C14H12	001730-37-6	95
2	9H-Fluorene, 2-methyl-	180	C14H12	001430-97-3	94
3	9H-Fluorene, 4-methyl-	180	C14H12	001556-99-6	70
4	9H-Fluorene, 9-methyl-	180	C14H12	002523-37-7	70
5	9H-Fluorene, 3-methyl-	180	C14H12	002523-39-9	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

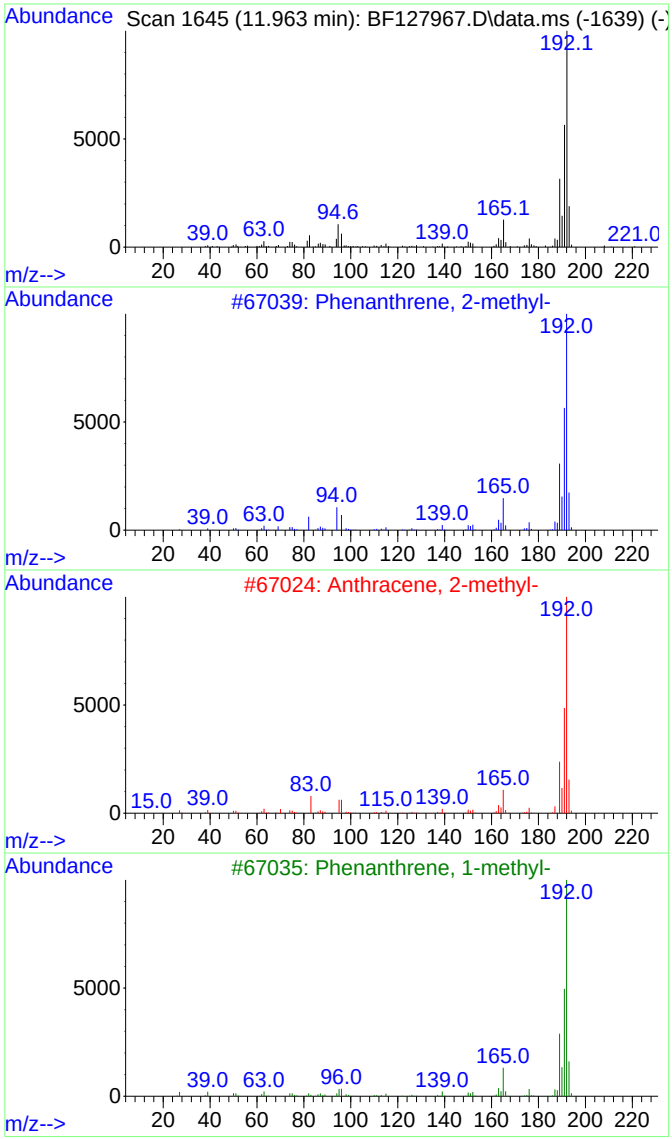
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

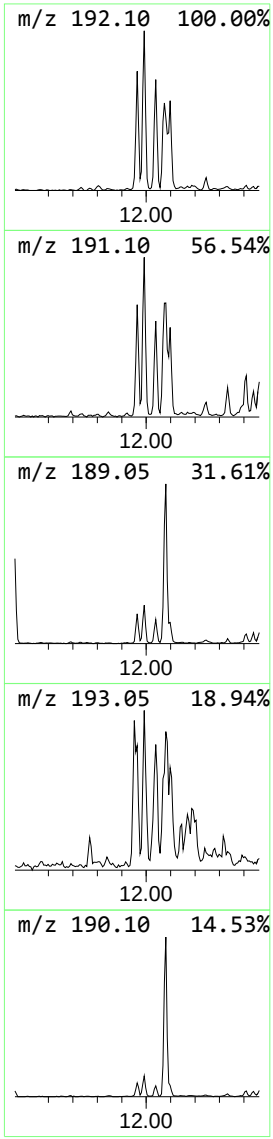
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.963	6.49 ng	205441	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	93
4	1H-Indene, 1-phenyl-	192	C15H12	001961-96-2	93
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

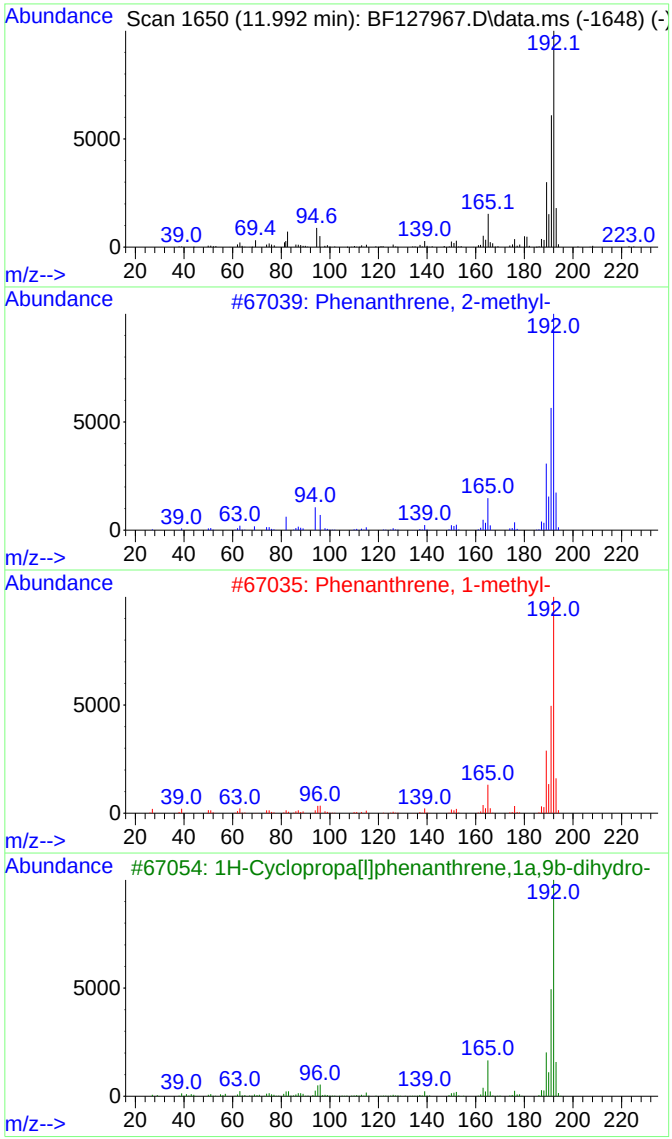
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

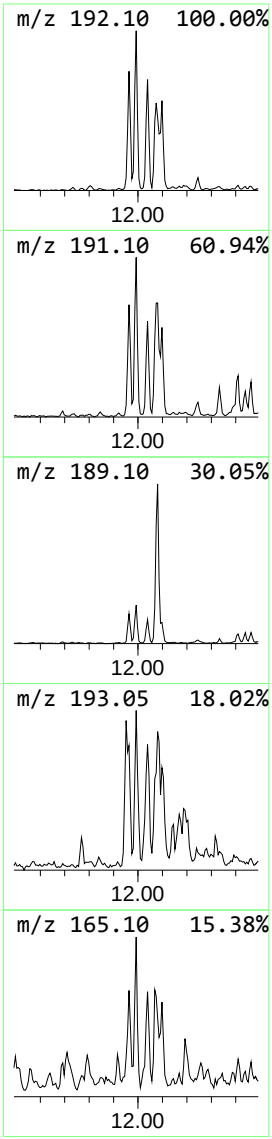
****

Peak Number 3 Phenanthrene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.992	5.97 ng	188977	Phenanthrene-d10	11.463

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	95
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

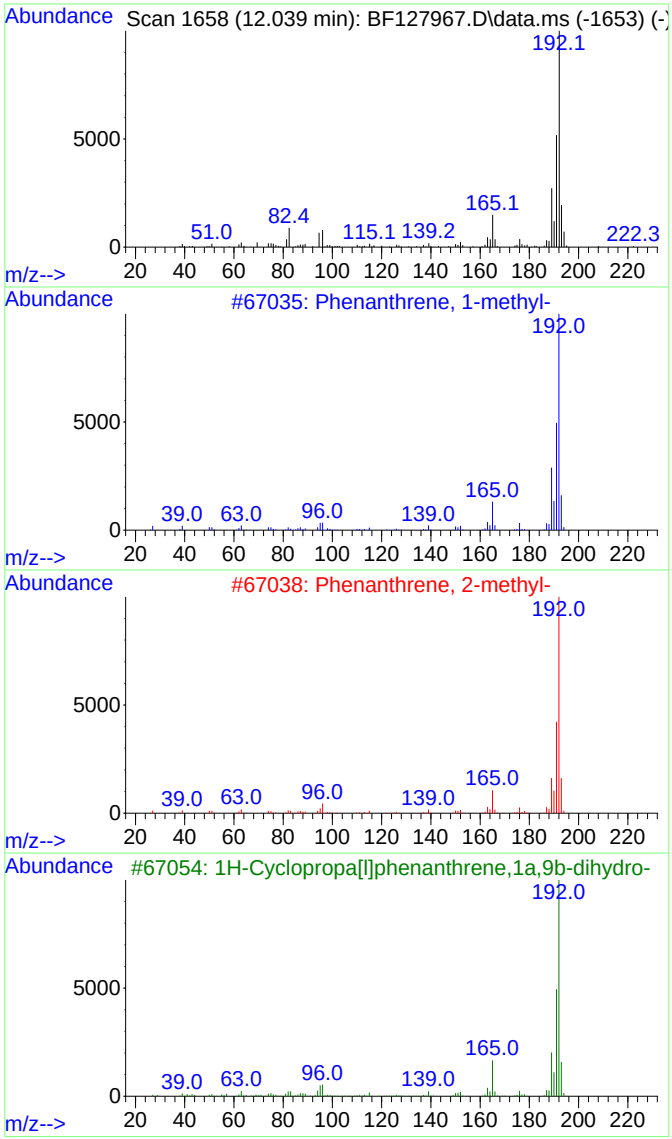
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

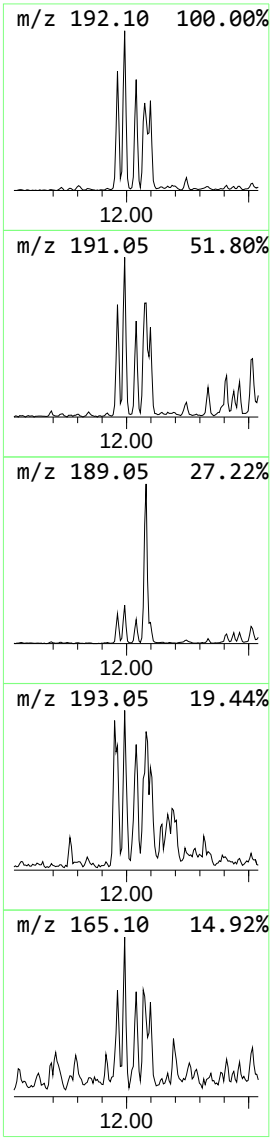
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1H-Cyclopropa[l]phenanthren... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.039	4.33 ng	137116	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	96
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	95
4	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	93
5	Anthracene, 2-methyl-	192	C15H12	000613-12-7	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

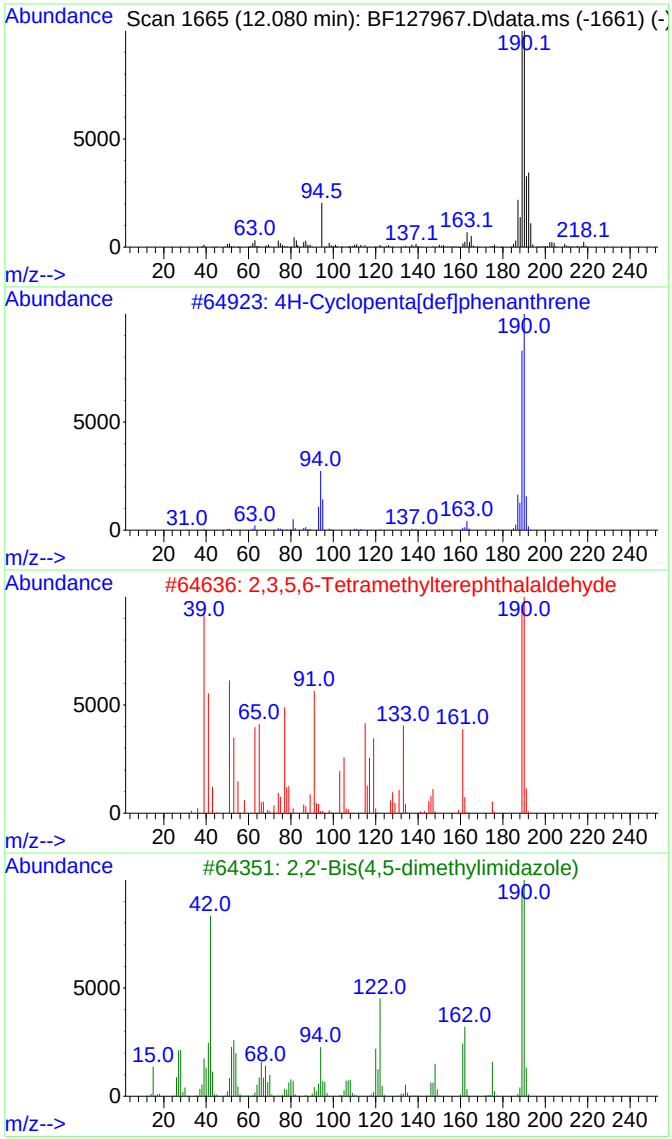
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

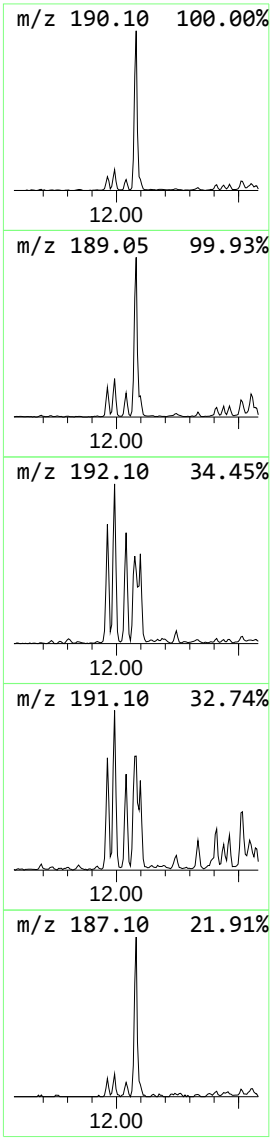
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 4H-Cyclopenta[def]phenanthrene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.081	14.43 ng	456920	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	76
2	2,3,5,6-Tetramethylterephthalald...	190	C12H14O2	007072-01-7	50
3	2,2'-Bis(4,5-dimethylimidazole)	190	C10H14N4	069286-06-2	42
4	2,4(1H,3H)-Pyrimidinedione, 5-br...	190	C4H3BrN2O2	000051-20-7	25
5	1,4-Naphthalenedione, 2,5-dihydr...	190	C10H6O4	004923-55-1	17





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

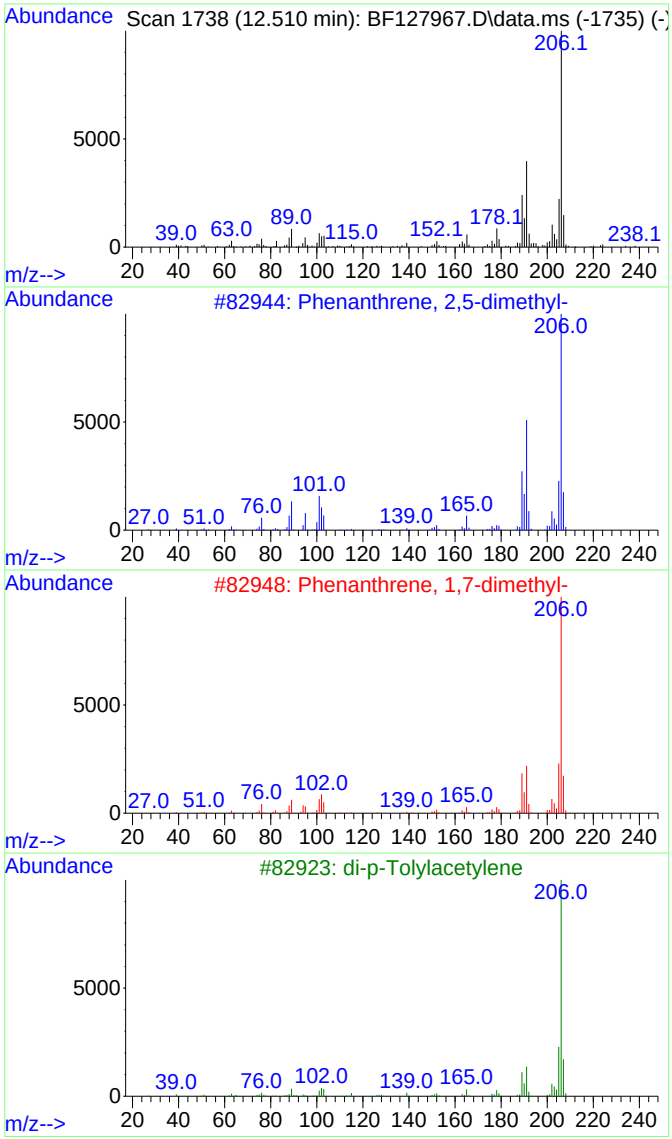
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

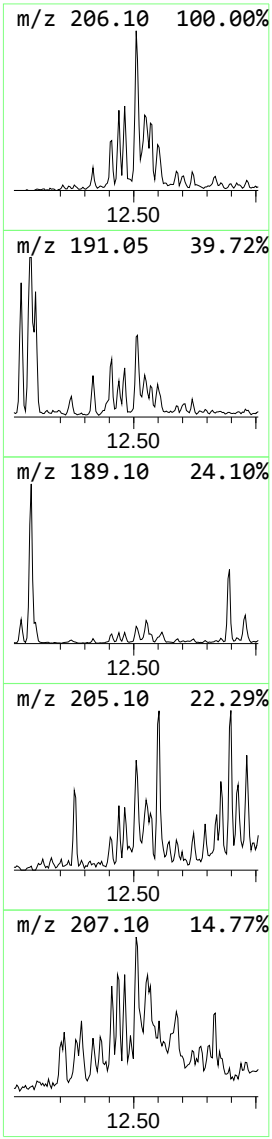
****

Peak Number 6 Phenanthrene, 2,5-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.510	4.49 ng	142315	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	97
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	92
3	di-p-Tolylacetylene	206	C16H14	002789-88-0	91
4	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	91
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

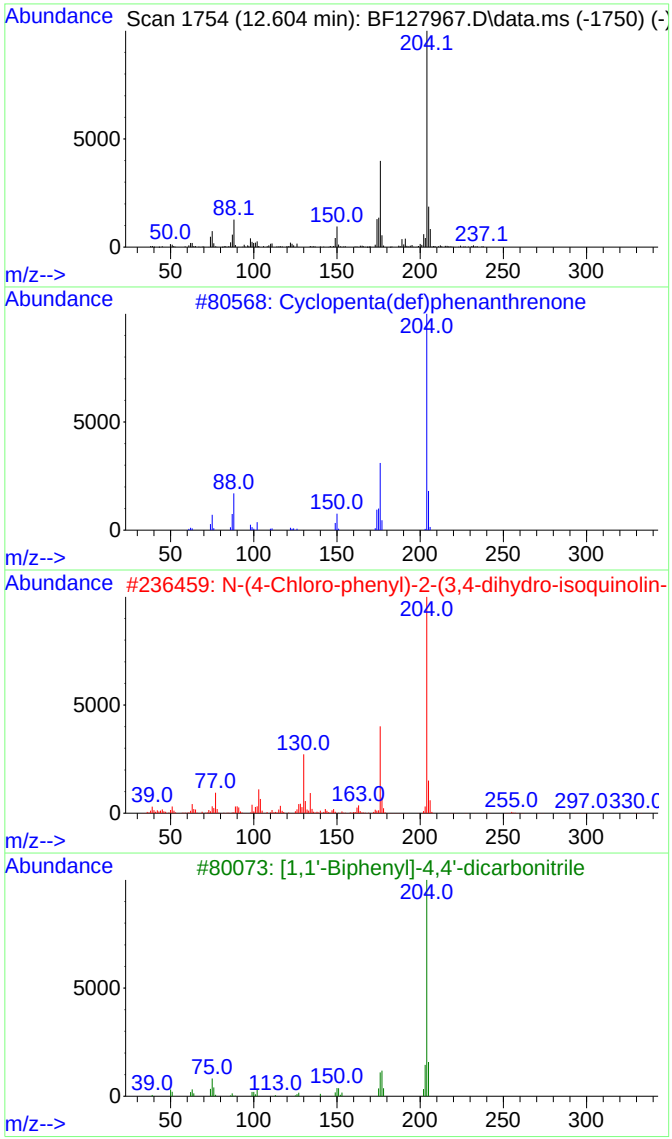
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

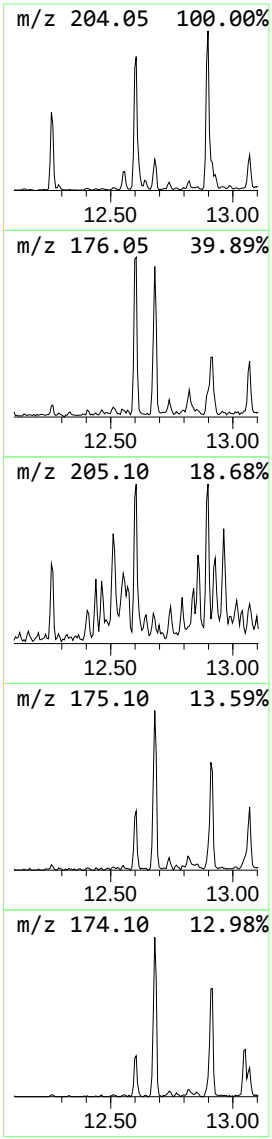
****

Peak Number 7 Cyclopenta(def)phenanthrenone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.604	7.51 ng	237806	Phenanthrene-d10	11.463

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	93
2	N-(4-Chloro-phenyl)-2-(3,4-dihyd...	330	C17H15ClN2OS	1010296-34-3	59
3	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	53
4	3,4-Biphenyldicarbonitrile	204	C14H8N2	004128-63-6	50
5	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

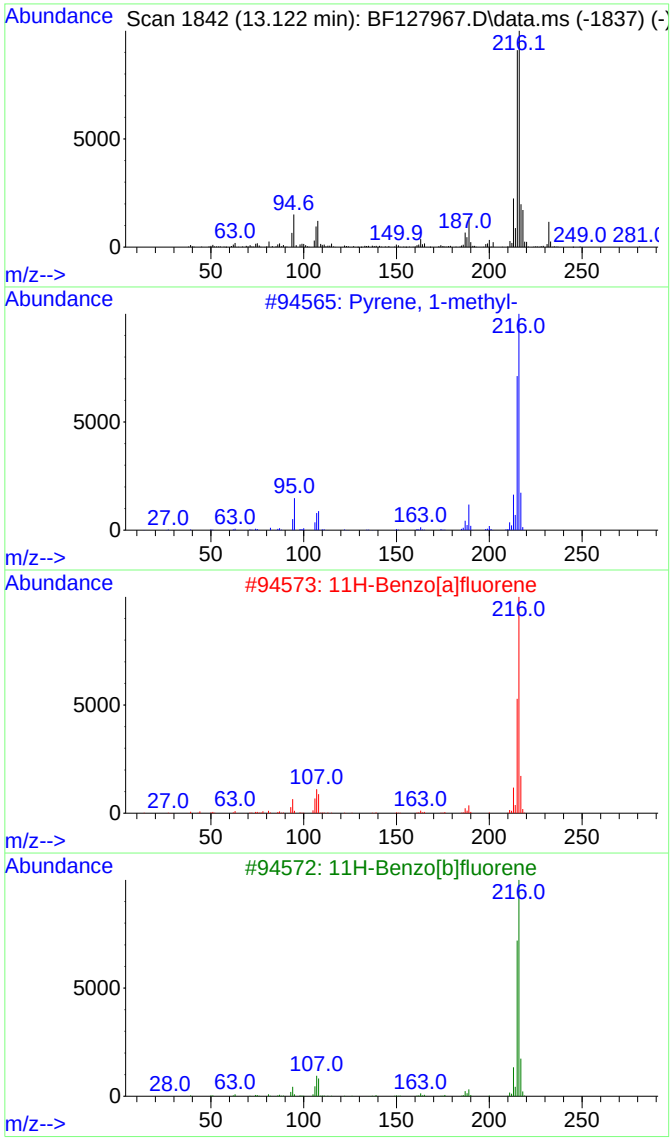
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

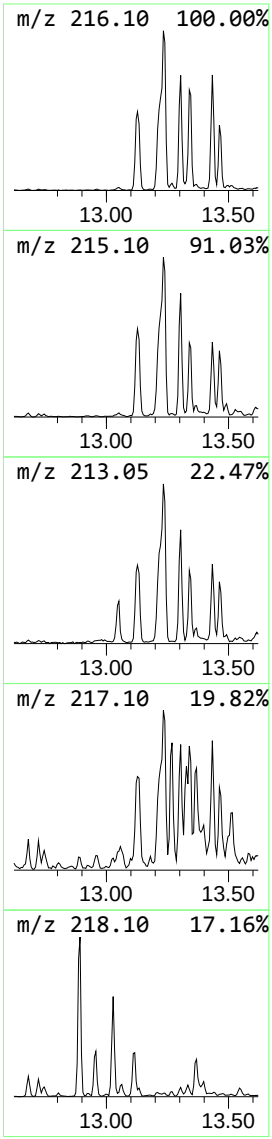
****

Peak Number 8 Pyrene, 1-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.122	3.93 ng	465241	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	92
3	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	87
4	Pyrene, 2-methyl-	216	C17H12	003442-78-2	86
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

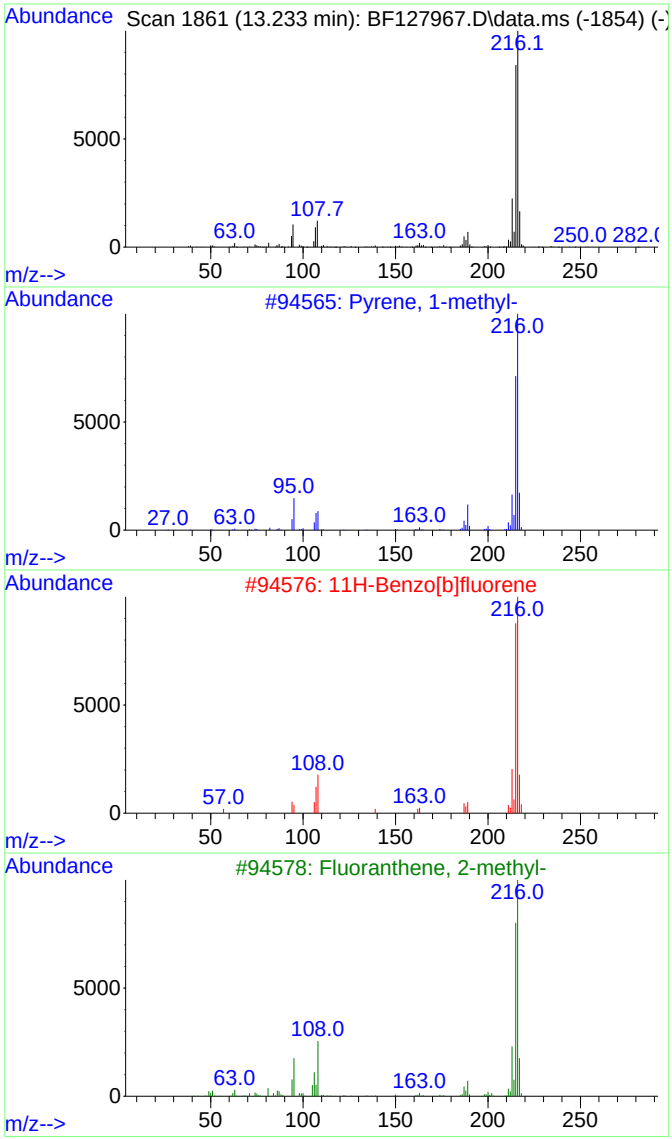
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

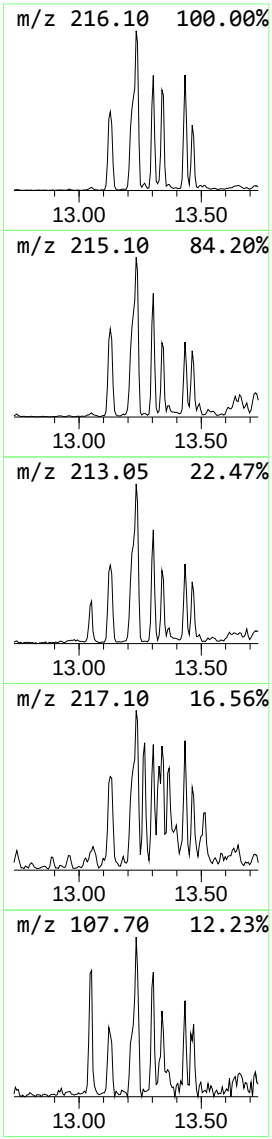
****

Peak Number 9 11H-Benzo[b]fluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.233	7.13 ng	844215	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	94
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	91
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	91
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

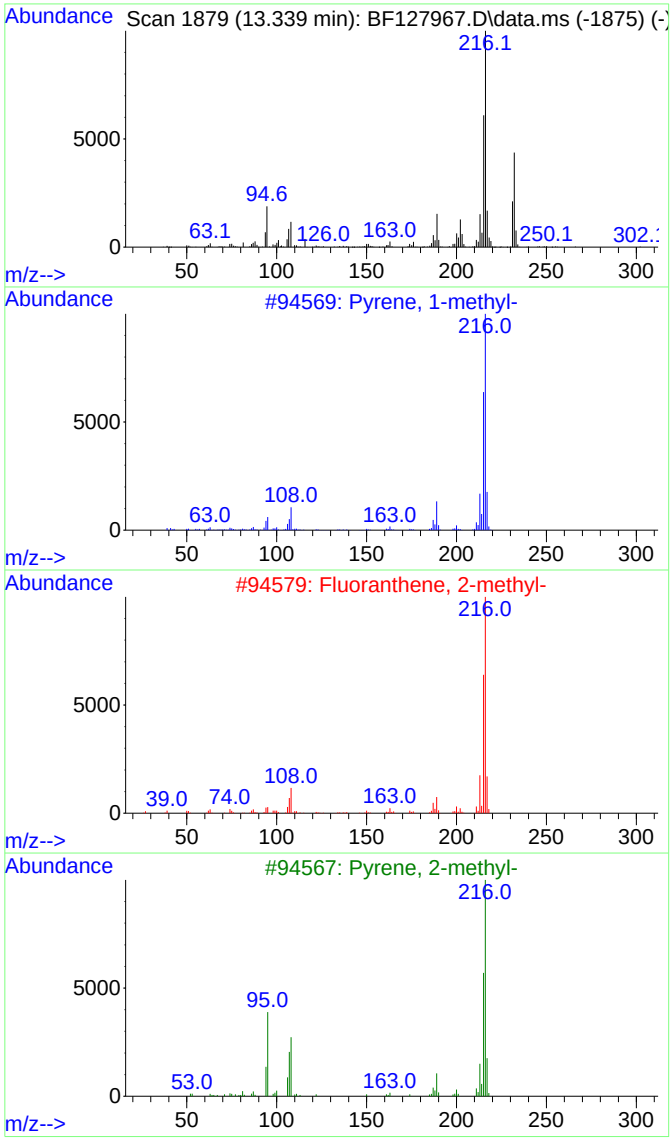
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

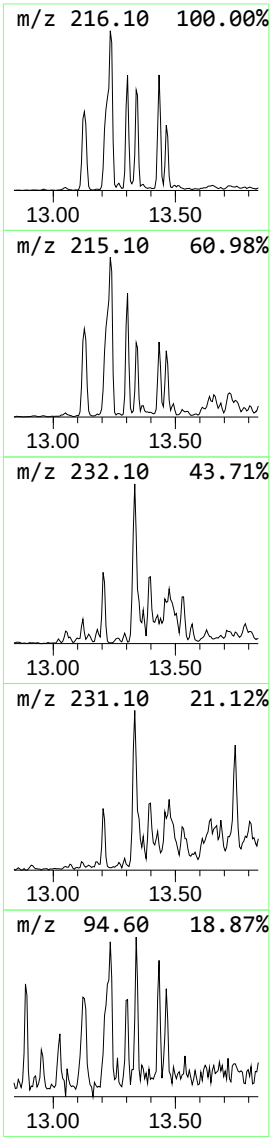
****

Peak Number 10 Fluoranthene, 2-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.339	3.81 ng	451297	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	95
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	95
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	92
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	89
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

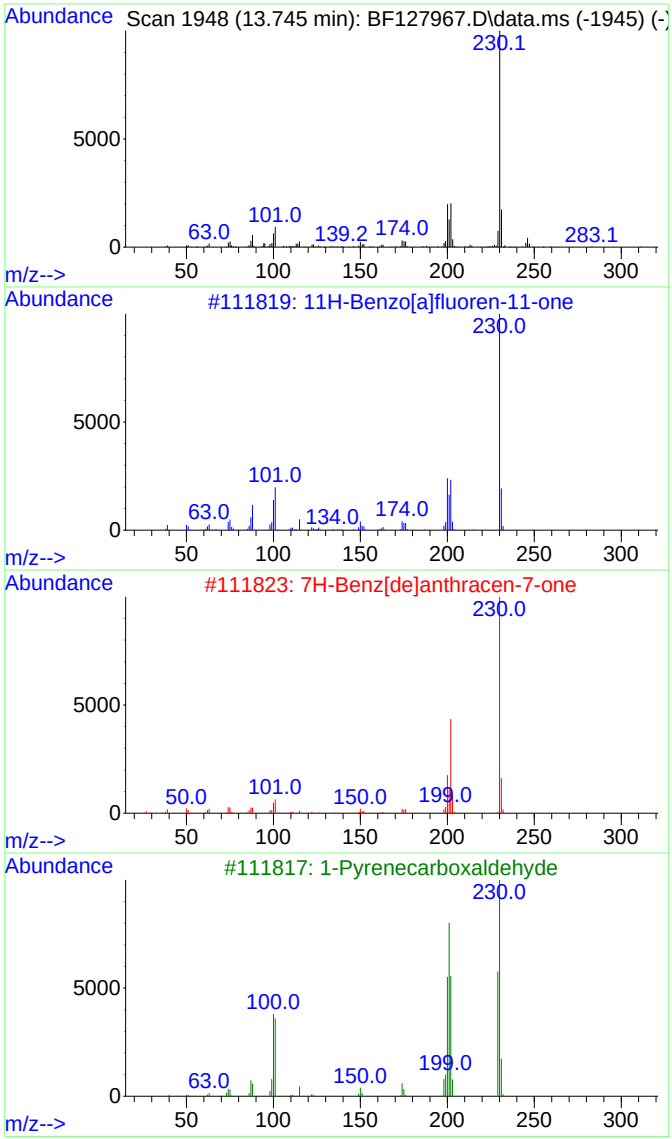
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

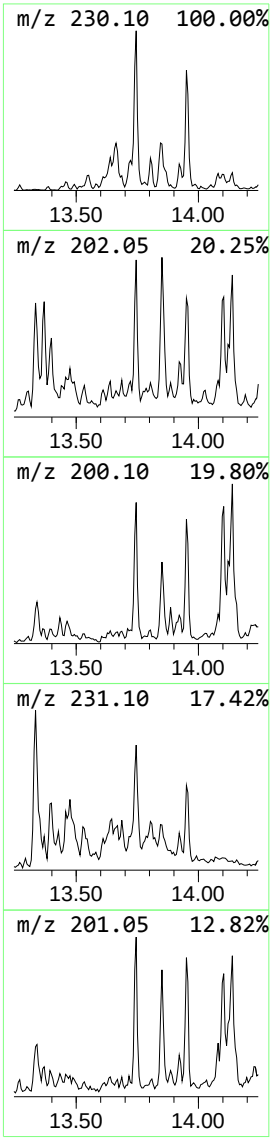
****

Peak Number 11 11H-Benzo[a]fluoren-11-one Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.745	2.99 ng	354254	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	96
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	89
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58
5	benzonitrile, 2-(3-isoquinolinyl)-	230	C16H10N2	1000401-00-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

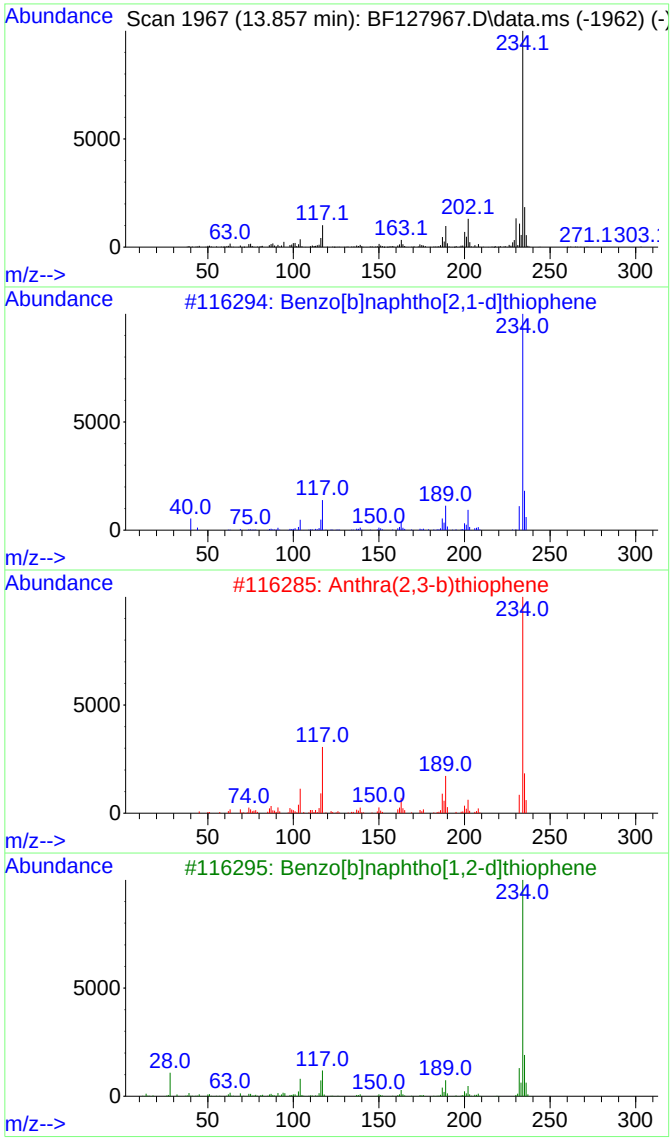
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

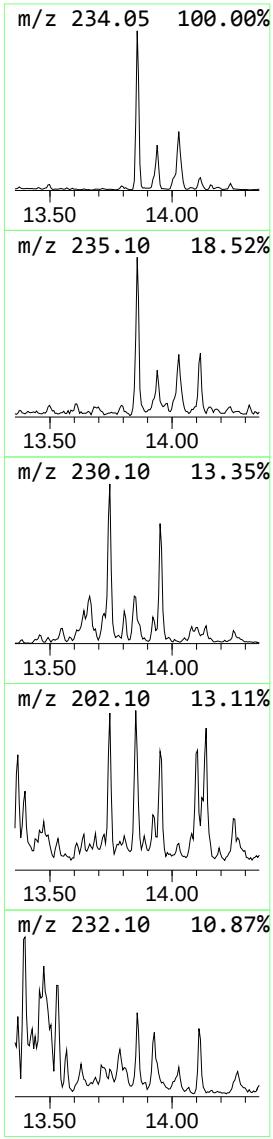
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.857	3.43 ng	405559	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	97
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	87
5	1,9,12-Trioxa-4,6-diazacyclotetr...	234	C9H18N2O3S	075491-64-4	60





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

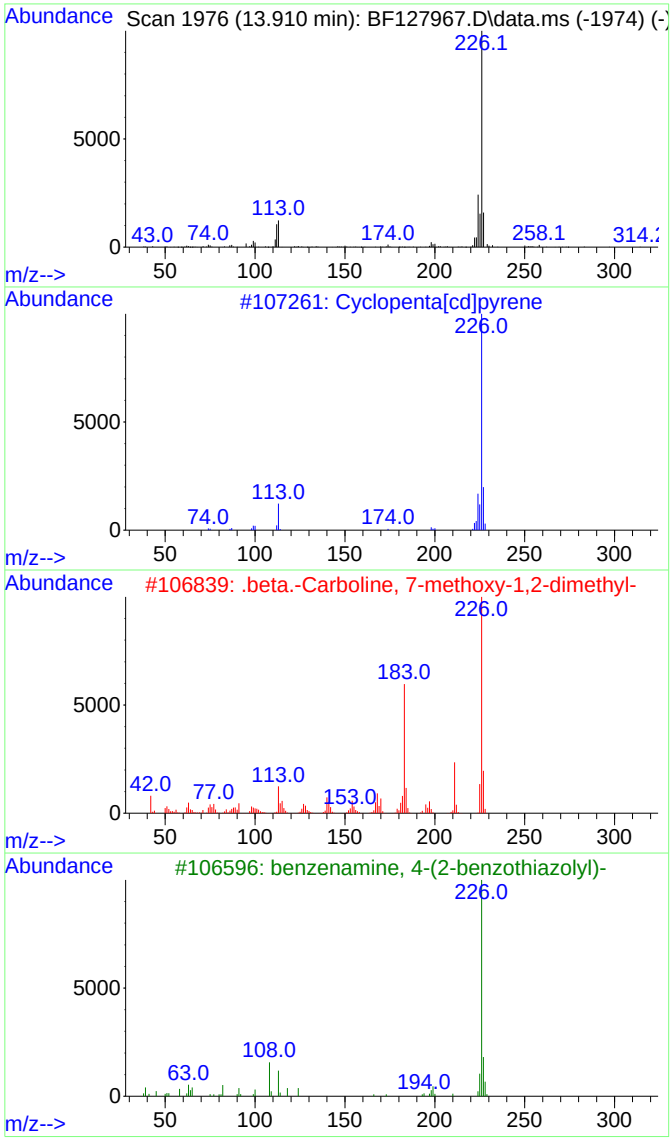
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

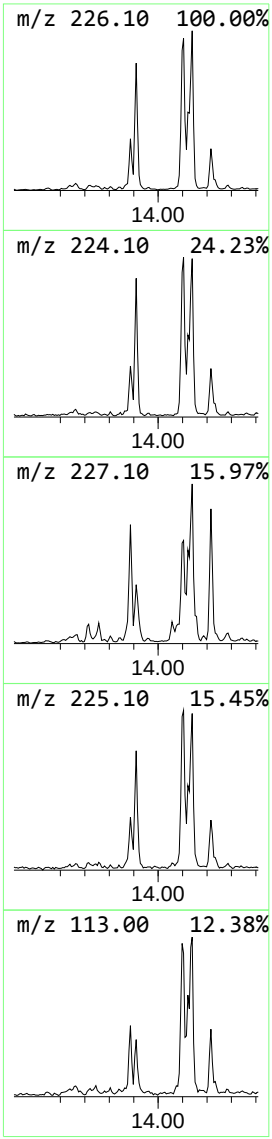
****

Peak Number 13 Cyclopenta[cd]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.910	3.77 ng	446180	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta[cd]pyrene	226	C18H10	027208-37-3	89
2	.beta.-Carboline, 7-methoxy-1,2-...	226	C14H14N2O	006519-18-2	42
3	benzenamine, 4-(2-benzothiazolyl)-	226	C13H10N2S	1000400-93-4	42
4	4-Naphthalen-2-yl-thiazol-2-ylamine	226	C13H10N2S	1000300-53-4	42
5	Benzo[ghi]fluoranthene	226	C18H10	000203-12-3	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

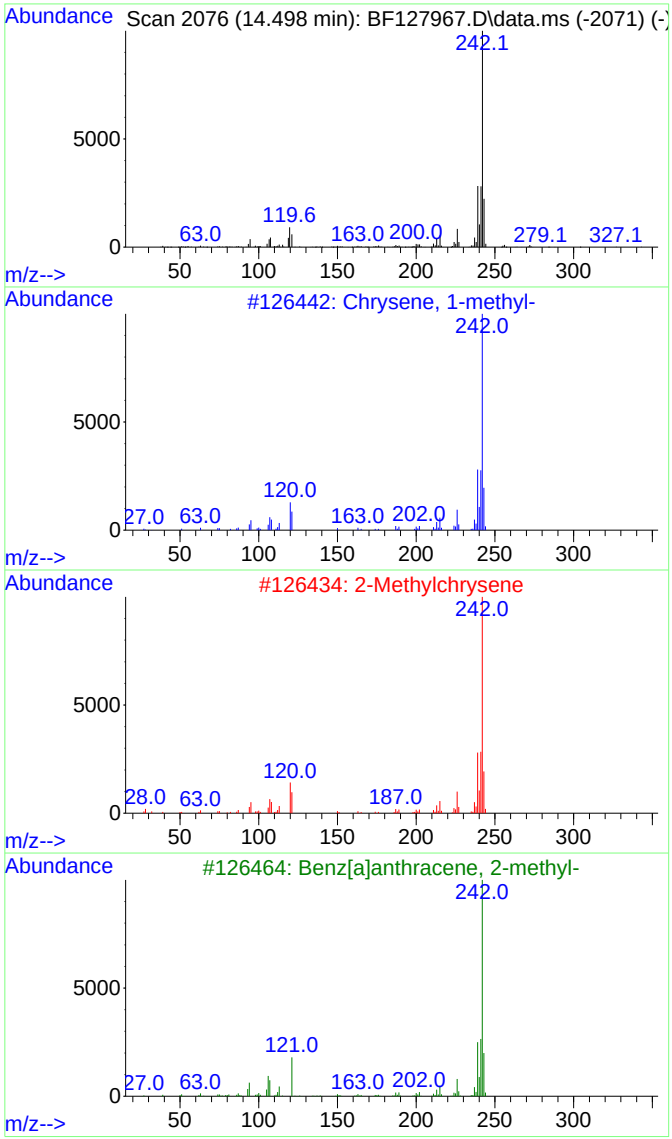
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

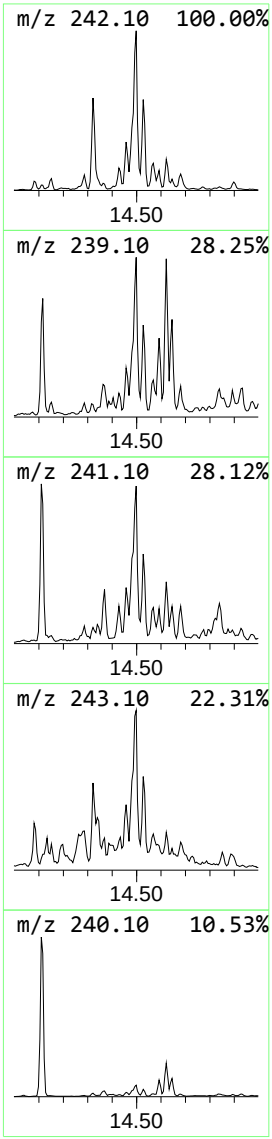
****

Peak Number 14 Chrysene, 1-methyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.498	3.53 ng	417710	Chrysene-d12	14.110

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	2-Methylchrysene	242	C19H14	003351-32-4	93
3	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	93
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

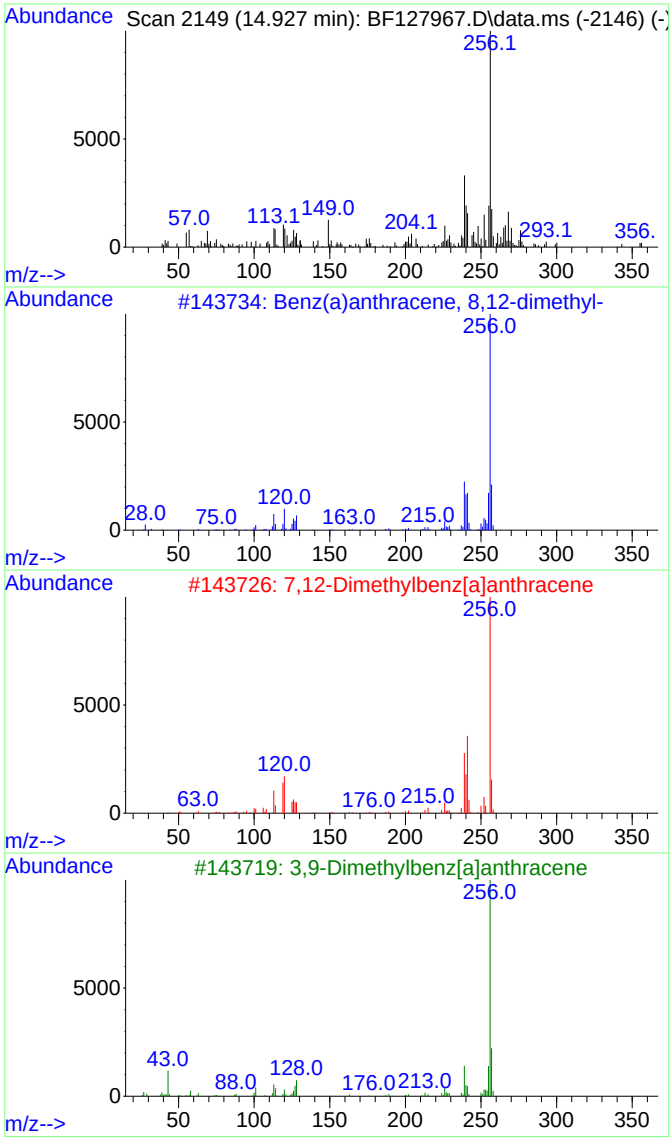
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

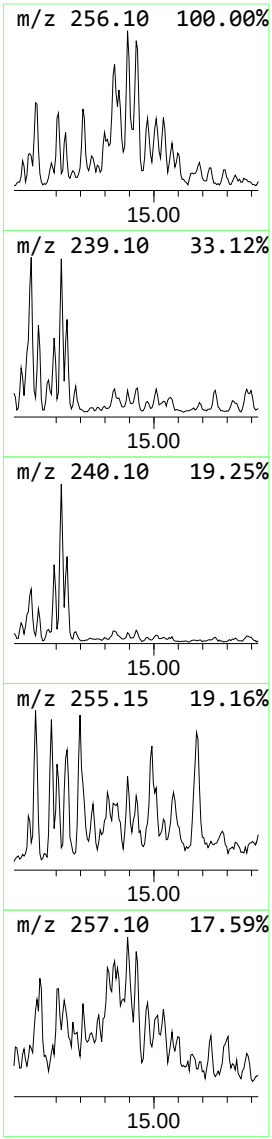
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 Benz(a)anthracene, 8,12-dim... Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.927	3.21 ng	126438	Perylene-d12	15.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene, 8,12-dimethyl-	256	C20H16	020627-31-0	89
2	7,12-Dimethylbenz[a]anthracene	256	C20H16	000057-97-6	60
3	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	58
4	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	58
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

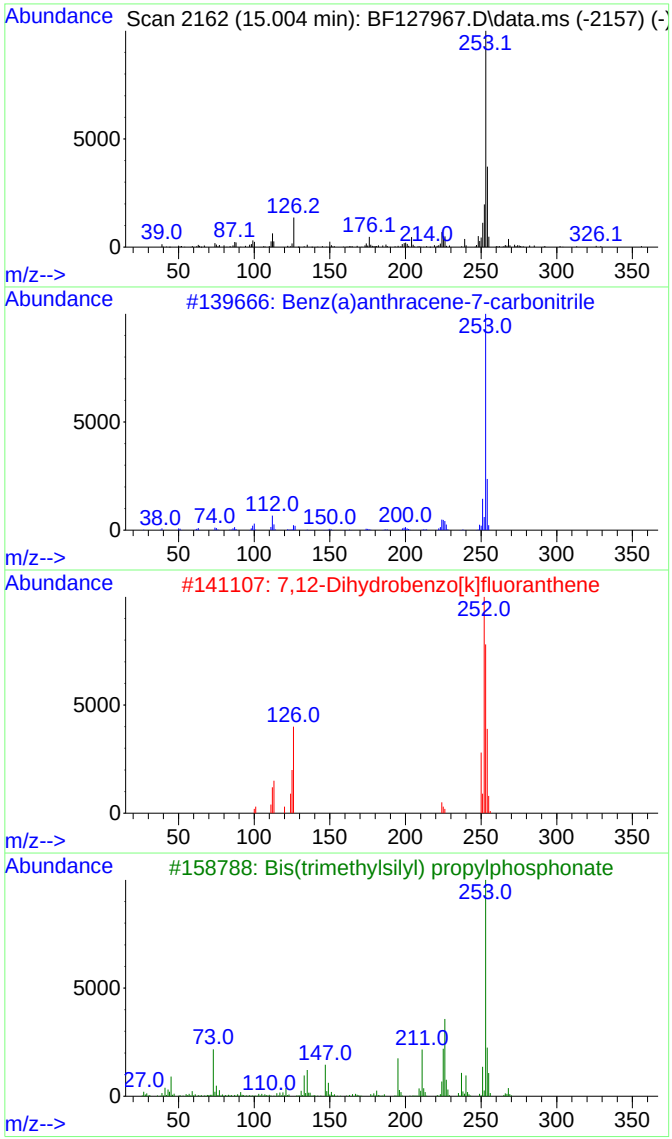
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

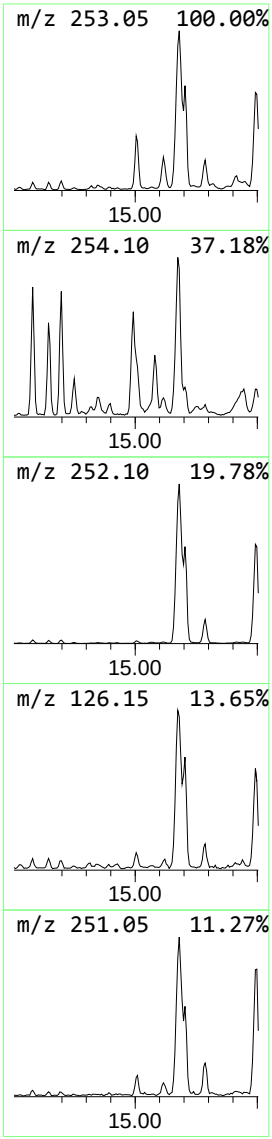
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Benz(a)anthracene-7-carboni... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.004	8.32 ng	328057	Perylene-d12	15.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz(a)anthracene-7-carbonitrile	253	C19H11N	007476-08-6	70
2	7,12-Dihydrobenzo[k]fluoranthene	254	C20H14	1000080-17-7	59
3	Bis(trimethylsilyl) propylphosph...	268	C9H25O3PSi2	1000193-07-4	53
4	5,12-ethanonaphthacene-6-carboni...	281	C21H15N	1000397-19-0	50
5	Phenol, 2-(4-diethylaminophenyli...	268	C17H20N2O	004938-45-8	36





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

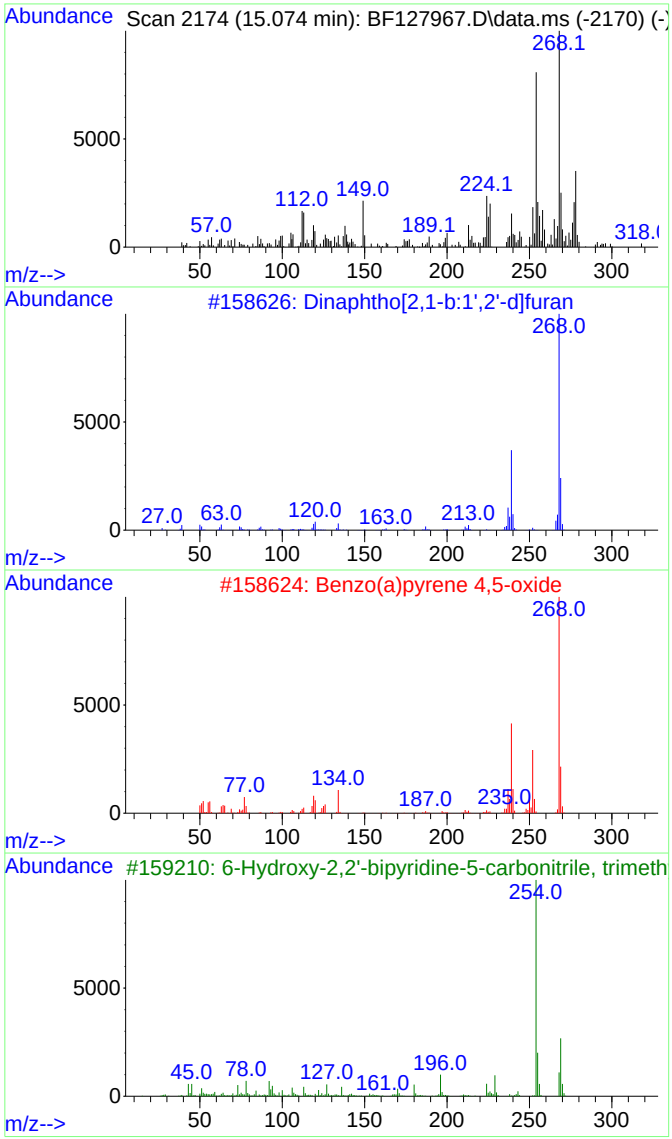
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

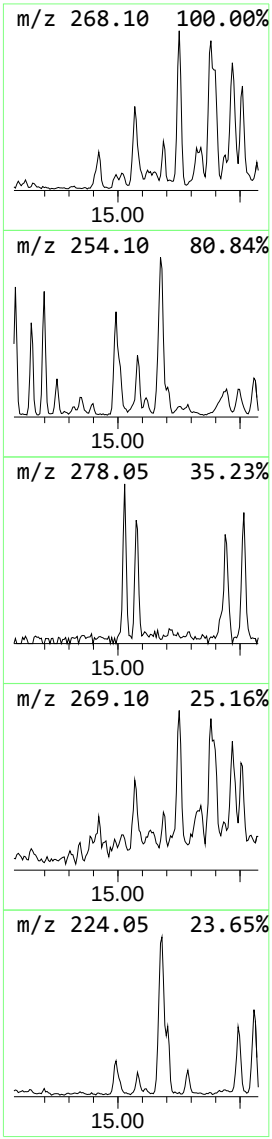
****

Peak Number 17 unknown15.074 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.074	4.02 ng	158414	Perylene-d12	15.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	38
2	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	38
3	6-Hydroxy-2,2'-bipyridine-5-carb...	269	C14H15N3OSi	1000471-28-0	35
4	2,4-Diamino-6-phenylthioquinazoline	268	C14H12N4S	051123-94-5	25
5	trans-4'-Methyl-4-(methylthio)ch...	268	C17H16OS	126443-27-4	25





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

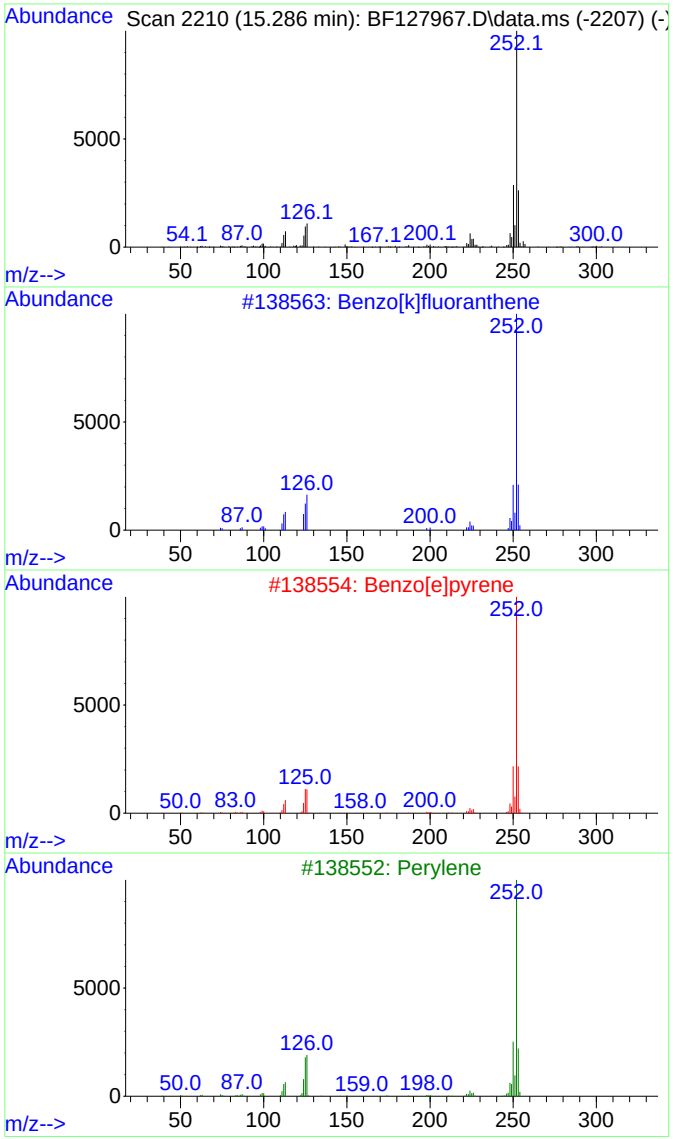
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

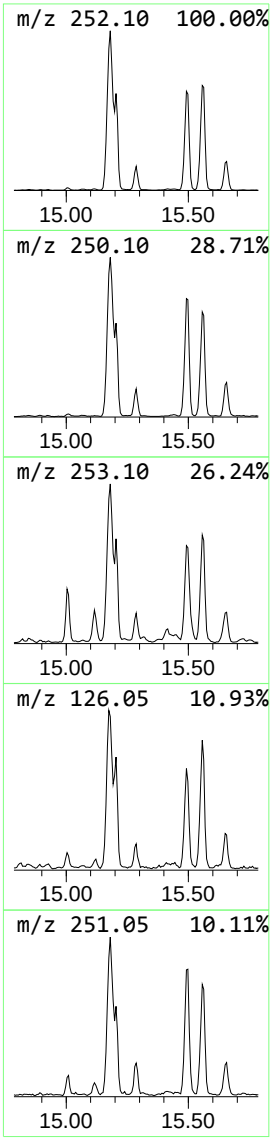
****

Peak Number 18 Benzo[e]pyrene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.286	4.89 ng	192879	Perylene-d12	15.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Perylene	252	C20H12	000198-55-0	94
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	94
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

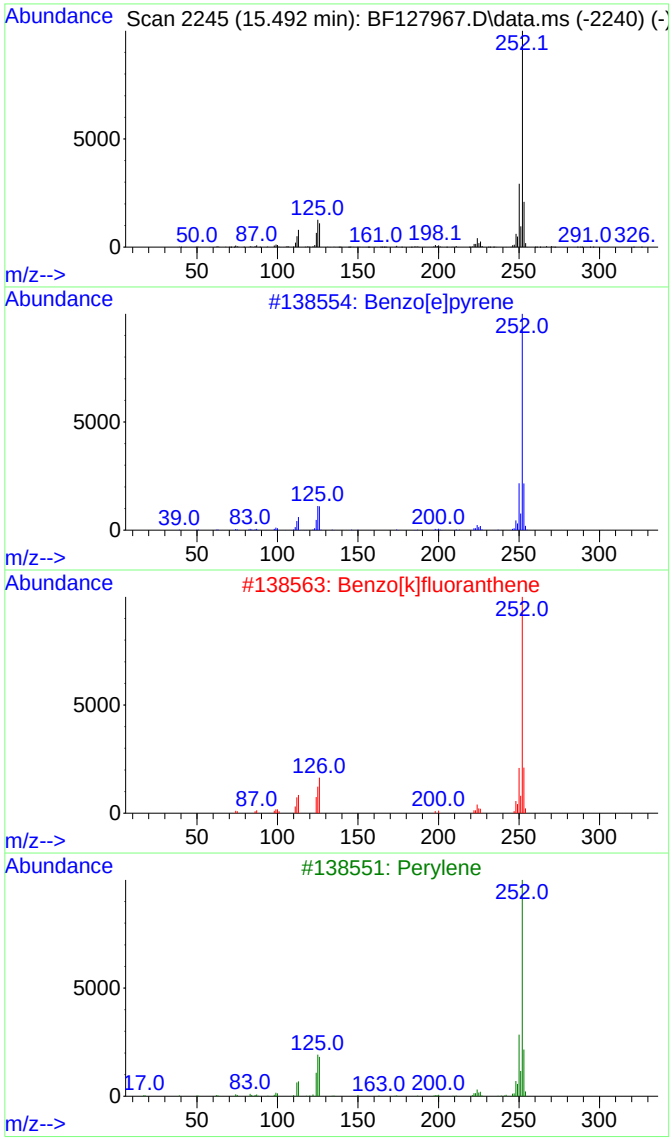
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

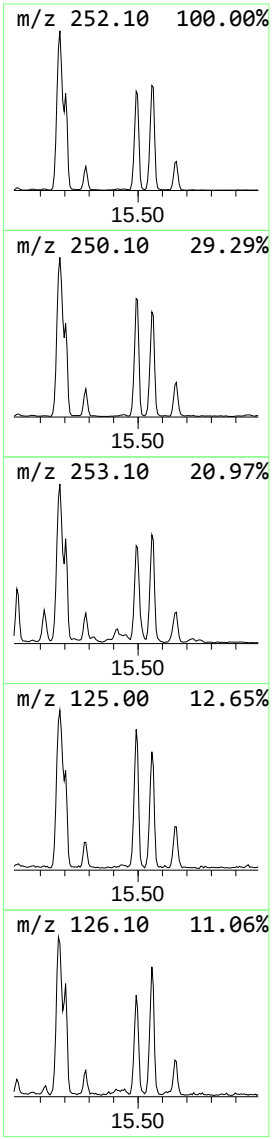
****

Peak Number 19 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.492	31.89 ng	1256720	Perylene-d12	15.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
3	Perylene	252	C20H12	000198-55-0	95
4	Benzo[j]fluoranthene	252	C20H12	000205-82-3	95
5	Benzo[b]fluoranthene	252	C20H12	000205-99-2	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

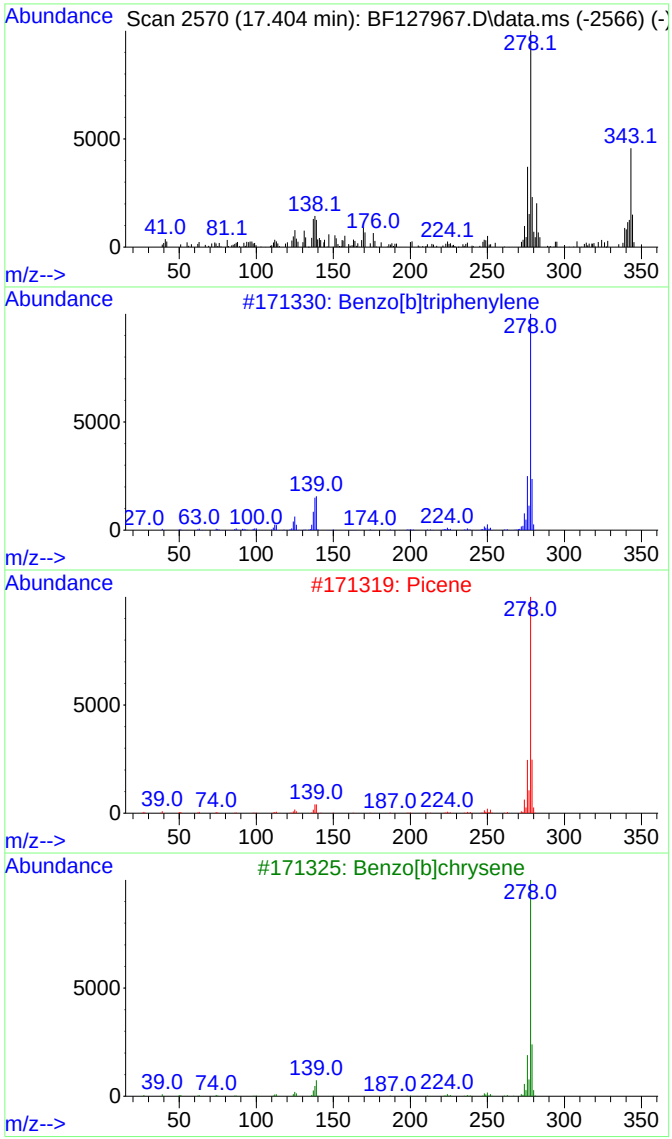
Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

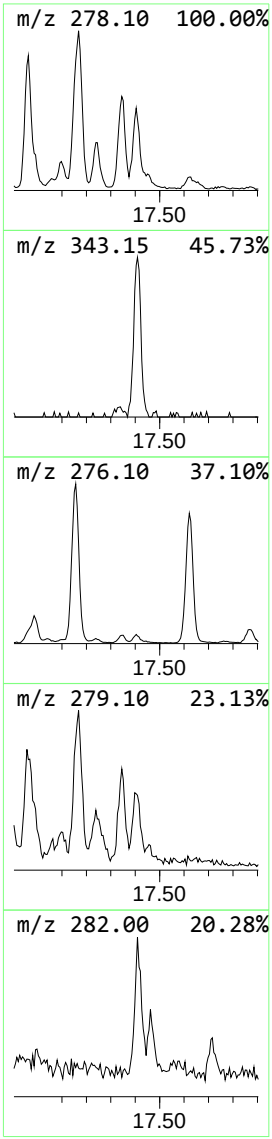
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benzo[b]triphenylene Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.404	2.97 ng	116925	Perylene-d12	15.621

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	94
2	Picene	278	C22H14	000213-46-7	60
3	Benzo[b]chrysene	278	C22H14	000214-17-5	60
4	Benzo[a]naphthacene	278	C22H14	000226-88-0	50
5	Benz[a]anthracene-7,12-dicarboni...	278	C20H10N2	035215-32-8	45





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF042722\
Data File : BF127967.D
Acq On : 28 Apr 2022 01:38
Operator : CG\JU
Sample : N2569-01
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
OR-02-042622

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF042222.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
9H-Fluorene, 1-...	11.069	3.4	ng	107535	4	11.463	633466	20.0
Phenanthrene, 2...	11.963	6.5	ng	205441	4	11.463	633466	20.0
Phenanthrene, 1...	11.992	6.0	ng	188977	4	11.463	633466	20.0
1H-Cyclopropa[l...	12.039	4.3	ng	137116	4	11.463	633466	20.0
4H-Cyclopenta[d...	12.081	14.4	ng	456920	4	11.463	633466	20.0
Phenanthrene, 2...	12.510	4.5	ng	142315	4	11.463	633466	20.0
Cyclopenta(def)...	12.604	7.5	ng	237806	4	11.463	633466	20.0
Pyrene, 1-methyl-	13.122	3.9	ng	465241	5	14.110	2366850	20.0
11H-Benzo[b]flu...	13.233	7.1	ng	844215	5	14.110	2366850	20.0
Fluoranthene, 2...	13.339	3.8	ng	451297	5	14.110	2366850	20.0
11H-Benzo[a]flu...	13.745	3.0	ng	354254	5	14.110	2366850	20.0
Benzo[b]naphtho...	13.857	3.4	ng	405559	5	14.110	2366850	20.0
Cyclopenta[cd]p...	13.910	3.8	ng	446180	5	14.110	2366850	20.0
Chrysene, 1-met...	14.498	3.5	ng	417710	5	14.110	2366850	20.0
Benz(a)anthrace...	14.927	3.2	ng	126438	6	15.621	788269	20.0
Benz(a)anthrace...	15.004	8.3	ng	328057	6	15.621	788269	20.0
unknown15.074	15.074	4.0	ng	158414	6	15.621	788269	20.0
Benzo[e]pyrene	15.286	4.9	ng	192879	6	15.621	788269	20.0
Perylene	15.492	31.9	ng	1256720	6	15.621	788269	20.0
Benzo[b]triphen...	17.404	3.0	ng	116925	6	15.621	788269	20.0