LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

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-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF124006.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.140	3	9	16	rVB	343794	413941	4.64%	0.571%
2	5.510	578	582	586	rBV	740822	693222	7.76%	0.957%
3	6.522	749	754	760	rVB	863709	737499	8.26%	1.018%
4	6.904	815	819	822	rBV	502501	375077	4.20%	0.518%
5	7.463	910	914	917	rBV	603283	483884	5.42%	0.668%
6	8.186	1032	1037	1039	rBV	625002	531528	5.95%	0.734%
7	8.210	1039	1041	1044	rVB	605300	430986	4.83%	0.595%
8	8.898	1155	1158	1162	rBV	267260	214208	2.40%	0.296%
9	8.998	1169	1175	1179	rBV	256372	201140	2.25%	0.278%
10	9.263	1216	1220	1223	rBV	1139993	870439	9.75%	1.201%
11	9.522	1261	1264	1269	rVB2	99083	130442	1.46%	0.180%
12	9.598	1273	1277	1280	rBV	177516	179455	2.01%	0.248%
13	9.945	1333	1336	1339	rVB	760354	598539	6.70%	0.826%
14	9.980	1339	1342	1344	rVB	973389	753273	8.44%	1.040%
15	10.151	1366	1371	1374	rVB	654744	605156	6.78%	0.835%
16	10.492	1425	1429	1434	rVB	966131	793330	8.89%	1.095%
17	10.645	1453	1455	1461	rVB	268563	246606	2.76%	0.340%
18	10.733	1461	1470	1474	rVV	941361	1039618	11.64%	1.435%
19	10.857	1486	1491	1497	rVB5	112250	149978	1.68%	0.207%
20	11.039	1515	1522	1525	rBV3	195721	283917	3.18%	0.392%
21	11.169	1539	1544	1546	rBV3	135807	184993	2.07%	0.255%
22	11.239	1552	1556	1560	rVB	540200	497155	5.57%	0.686%
23	11.280	1560	1563	1568	rVV4	144662	255166	2.86%	0.352%
24	11.327	1568	1571	1577	rVB	500716	459662	5.15%	0.634%
25	11.480	1585	1597	1599	rBV	6771521	8927607	100.00%	12.323%
26	11.522	1599	1604	1606	rVV	2581492	2166125	24.26%	2.990%
27	11.539	1606	1607	1610	rVB	148720	107379	1.20%	0.148%
28	11.663	1622	1628	1631	rBV2	926474	986713	11.05%	1.362%
29	11.727	1635	1639	1643	rVV3	188556	207874	2.33%	0.287%
30	11.763	1643	1645	1650	rVB3	151349	151601	1.70%	0.209%
31	11.939	1669	1675	1677	rBV	858559	829258	9.29%	1.145%
32	11.969	1677	1680	1683	rVV2	1192605	1094347	12.26%	1.511%
33	12.016	1683	1688	1690	rVV	407257	403160	4.52%	0.556%
34	12.051	1690	1694	1696	rVV	1169252	1226453	13.74%	1.693%
35	12.069	1696	1697	1701	rVB	498337	387054	4.34%	0.534%
36	12.110	1701	1704	1706	rBV2	95180	107626	1.21%	0.149%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

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-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	12.133	1706	1708	1711	rVB2	134867	123837	1.39%	0.171%
38	12.233	1722	1725	1727	rBV	625594	534139	5.98%	0.737%
39	12.257	1727	1729	1732	rVB	593492	491038	5.50%	0.678%
40	12.380	1745	1750	1753	rBV3	172557	187930	2.11%	0.259%
41	12.433	1757	1759	1762	rVB2	133359	115738	1.30%	0.160%
42	12.486	1763	1768	1772	rBV2	260598	400301	4.48%	0.553%
43	12.521	1772	1774	1777	rVV	162747	183994	2.06%	0.254%
44	12.580	1780	1784	1788	rVB	324745	388456	4.35%	0.536%
45	12.674	1792	1800	1802	rBV	4976615	7143811	80.02%	9.861%
46	12.716	1805	1807	1810	rVB2	149646	115920	1.30%	0.160%
47	12.798	1815	1821	1824	rBV3	232836	382150	4.28%	0.527%
48	12.898	1831	1838	1841	rBV3	3973766	6689270	74.93%	9.233%
49	12.927	1841	1843	1848	rVB2	341684	319722	3.58%	0.441%
50	12.998	1851	1855	1857	rBV	422737	482338	5.40%	0.666%
51	13.021	1857	1859	1861	rVV	838452	795537	8.91%	1.098%
52	13.039	1861	1862	1865	rVB	380115	200267	2.24%	0.276%
53	13.104	1865	1873	1875	rBV2	346095	640836	7.18%	0.885%
54	13.127	1875	1877	1879	rVB	166286	122520	1.37%	0.169%
55	13.180	1882	1886	1888	rVV4	294589	351701	3.94%	0.485%
56	13.210	1888	1891	1893	rVB	561556	516480	5.79%	0.713%
57	13.274	1899	1902	1904	rBV	299401	235416	2.64%	0.325%
58	13.310	1904	1908	1911	rBV2	512761	579327	6.49%	0.800%
59	13.339	1911	1913	1915	rVB	136360	119797	1.34%	0.165%
60	13.404	1921	1924	1927	rBV	234015	209328	2.34%	0.289%
61	13.433	1927	1929	1933	rBV2	232778	233125	2.61%	0.322%
62	13.510	1939	1942	1947	rVB4	90131	113060	1.27%	0.156%
63	13.592	1951	1956	1957	rBV3	136707	169843	1.90%	0.234%
64	13.716	1974	1977	1981	rVB	657834	556129	6.23%	0.768%
65	13.827	1991	1996	1999	rBV2	447650	586491	6.57%	0.810%
66	13.857	1999	2001	2003	rVV	477356	387733	4.34%	0.535%
67	13.880	2003	2005	2009	rVV2	379500	487267	5.46%	0.673%
68	13.927	2009	2013	2020	rVB	731124	799739	8.96%	1.104%
69	13.998	2020	2025	2031	rBV	94756	161097	1.80%	0.222%
70	14.080	2031	2039	2042	rBV2	2469663	3804486	42.61%	5.251%
71	14.121	2042	2046	2051	rVB	2262546	2500618	28.01%	3.452%
72	14.192	2055	2058	2061	rVB	272302	221011	2.48%	0.305%
73	14.268	2068	2071	2073	rVB	206042	213856	2.40%	0.295%
74	14.304	2073	2077	2080	rBV2	285675	360032	4.03%	0.497%
75	14.398	2090	2093	2096	rBV3	74110	126177	1.41%	0.174%
76	14.468	2100	2105	2107	rVV	481697	580901	6.51%	0.802%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

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-BF051421.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	14.498	2107	2110	2113	rVV	348848	350657	3.93%	0.484%
78	14.545	2116	2118	2123	rVV3	186239	319653	3.58%	0.441%
79	14.592	2123	2126	2128	rVV	258397	278988	3.13%	0.385%
80	14.615	2128	2130	2133	rVV2	205163	200461	2.25%	0.277%
81	14.663	2133	2138	2144	rVB4	178274	286185	3.21%	0.395%
82	14.780	2153	2158	2160	rBV3	191463	249820	2.80%	0.345%
83	14.810	2160	2163	2168	rVV5	112475	183374	2.05%	0.253%
84	14.862	2169	2172	2175	rVV5	89003	113183	1.27%	0.156%
85	14.968	2184	2190	2198	rVB2	165174	329127	3.69%	0.454%
86	15.151	2214	2221	2224	rBV	1418961	2714331	30.40%	3.747%
87	15.215	2228	2232	2234	rVV3	107680	148919	1.67%	0.206%
88	15.251	2234	2238	2241	rVB	326271	338545	3.79%	0.467%
89	15.339	2249	2253	2254	rBV4	103238	123346	1.38%	0.170%
90	15.457	2267	2273	2279	rVB	795404	1245344	13.95%	1.719%
91	15.527	2279	2285	2289	rVB	1182768	1666358	18.67%	2.300%
92	15.580	2289	2294	2297	rBV	315496	466190	5.22%	0.643%
93	15.615	2297	2300	2306	rVB2	400590	564964	6.33%	0.780%
94	15.945	2354	2356	2363	rVB6	77677	108792	1.22%	0.150%
95	16.898	2512	2518	2520	rBV3	67551	119864	1.34%	0.165%
96	17.104	2545	2553	2559	rVB2	446524	945496	10.59%	1.305%
97	17.274	2575	2582	2586	rBV2	113770	232585	2.61%	0.321%
98	17.333	2586	2592	2596	rBV2	82300	166436	1.86%	0.230%
99	17.556	2621	2630	2639	rVB	280201	656861	7.36%	0.907%
100	17.792	2663	2670	2682	rVB3	95247	281095	3.15%	0.388%

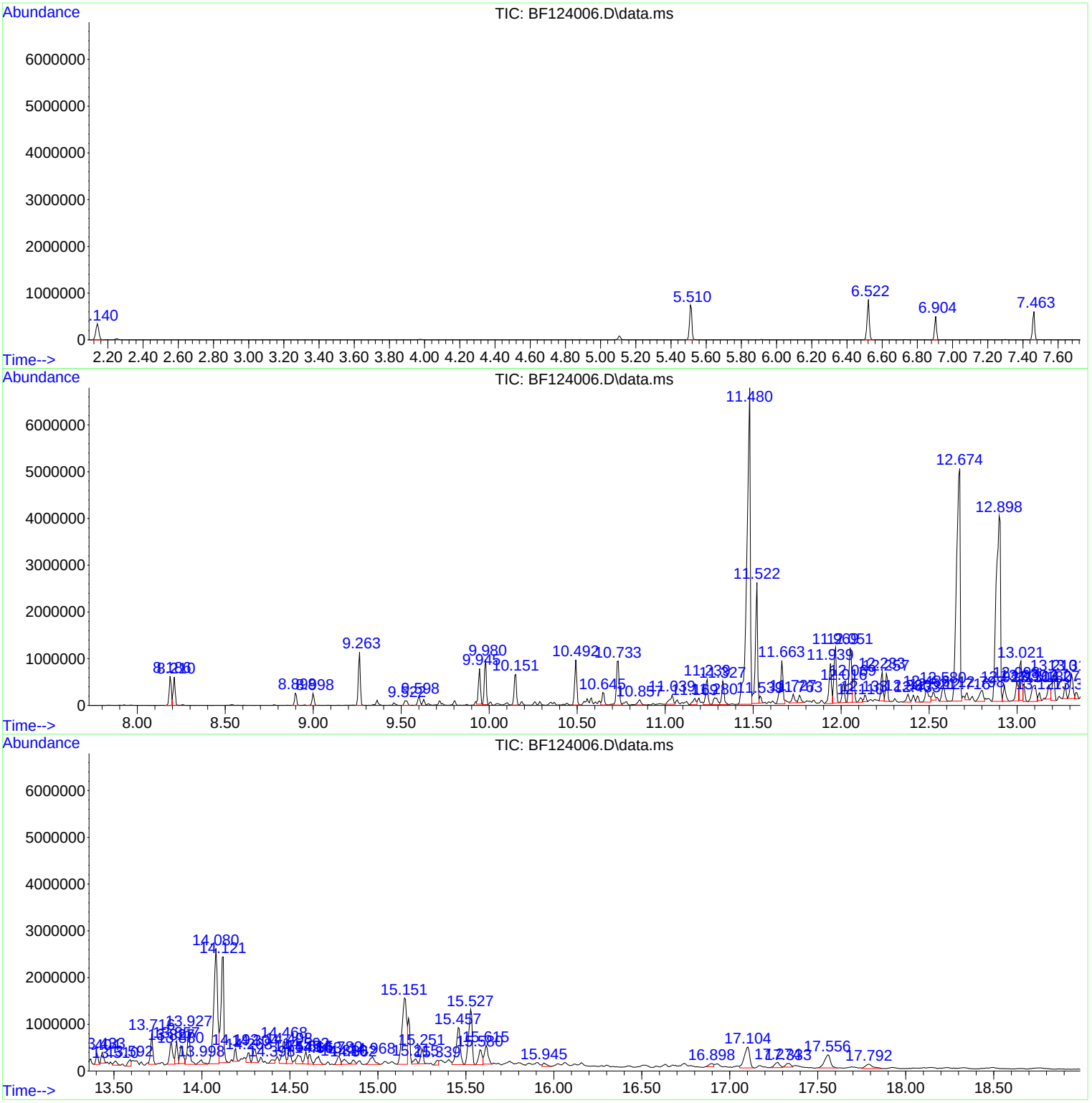
Sum of corrected areas: 72446403

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.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\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

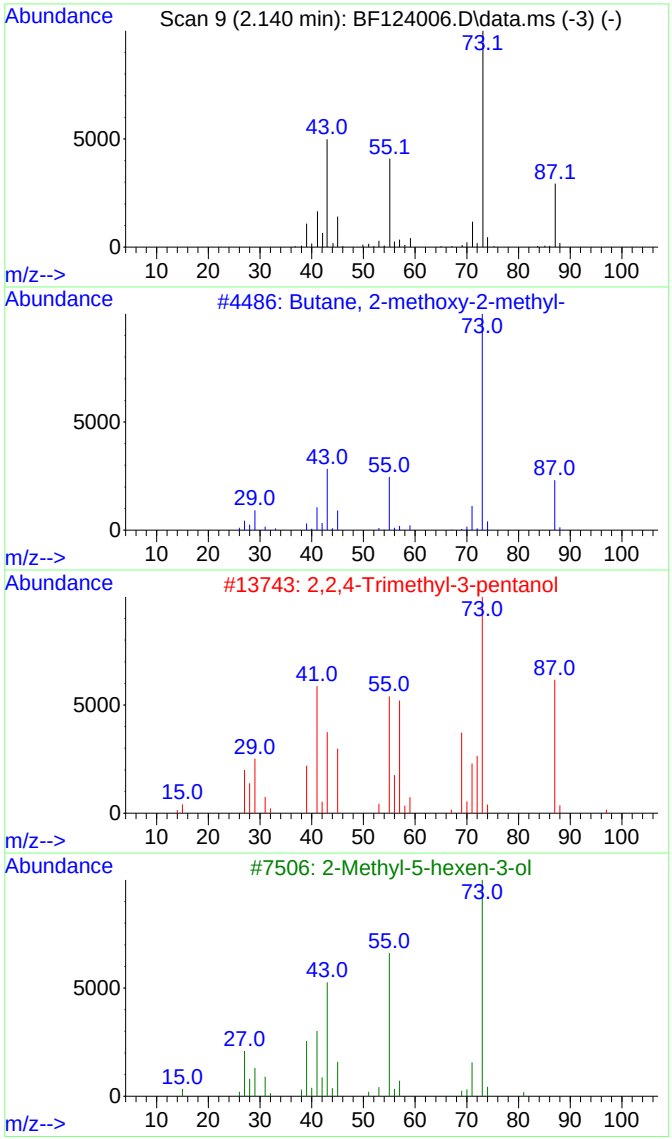
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

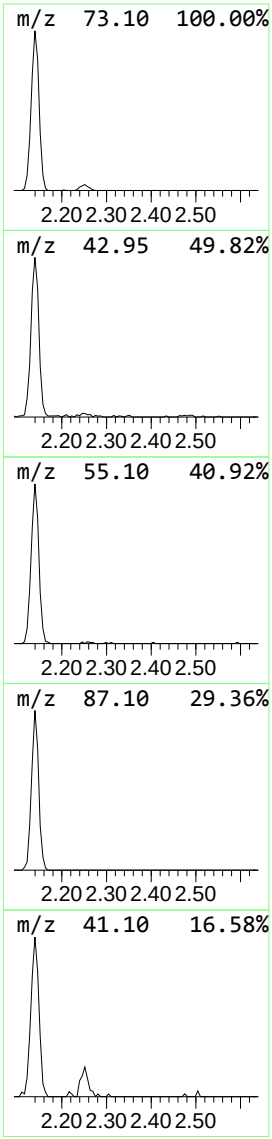
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.140	22.07 ng	413941	1,4-Dichlorobenzene-d4	6.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	36
3	2-Methyl-5-hexen-3-ol	114	C7H14O	032815-70-6	32
4	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	25
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

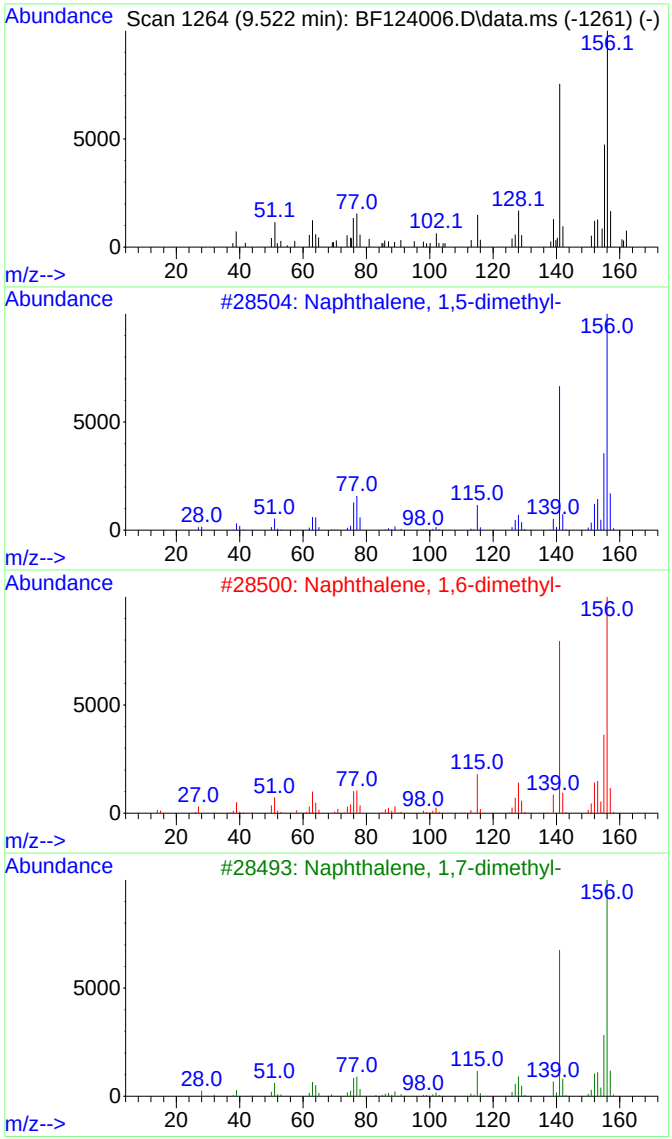
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

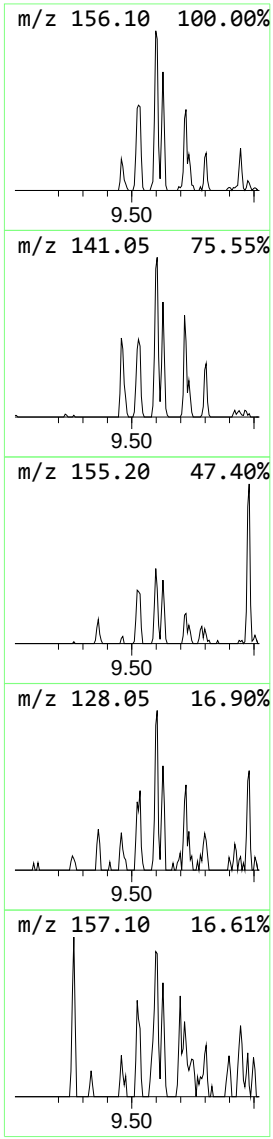
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Naphthalene, 1,5-dimethyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.522	4.36 ng	130442	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
4	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	95
5	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	94





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

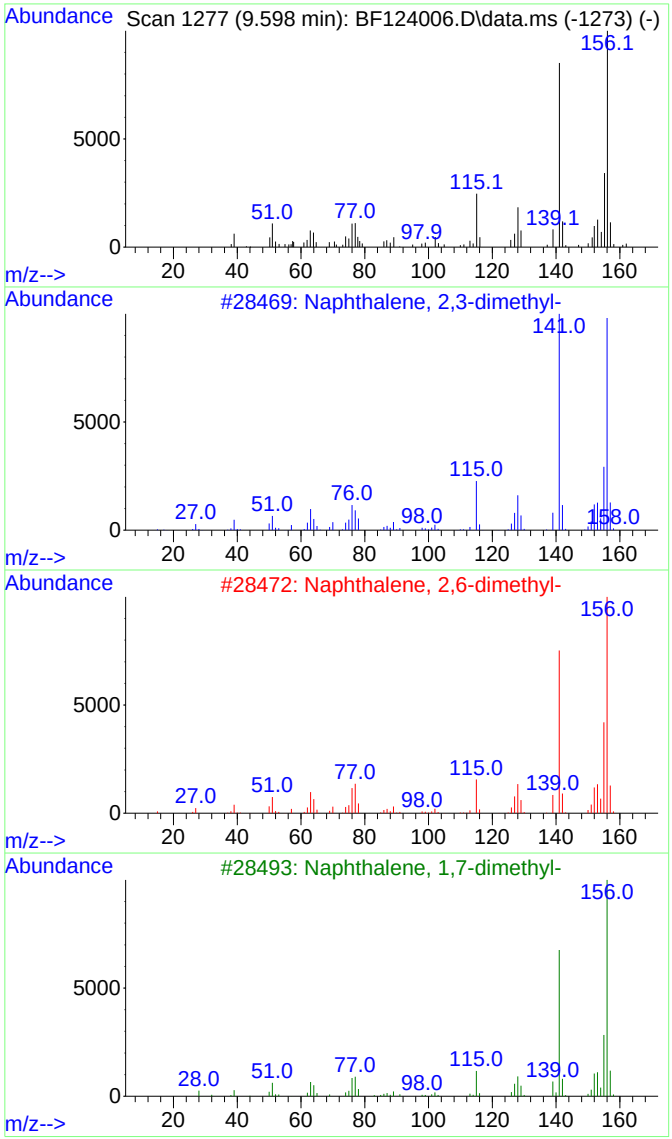
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

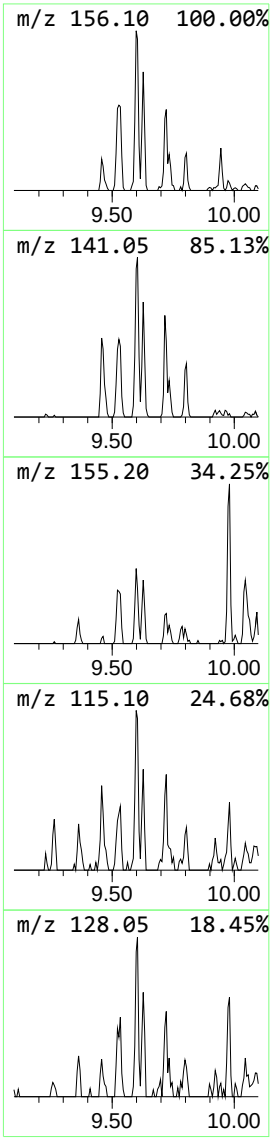
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Naphthalene, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.598	6.00 ng	179455	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96
3	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
4	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	96
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

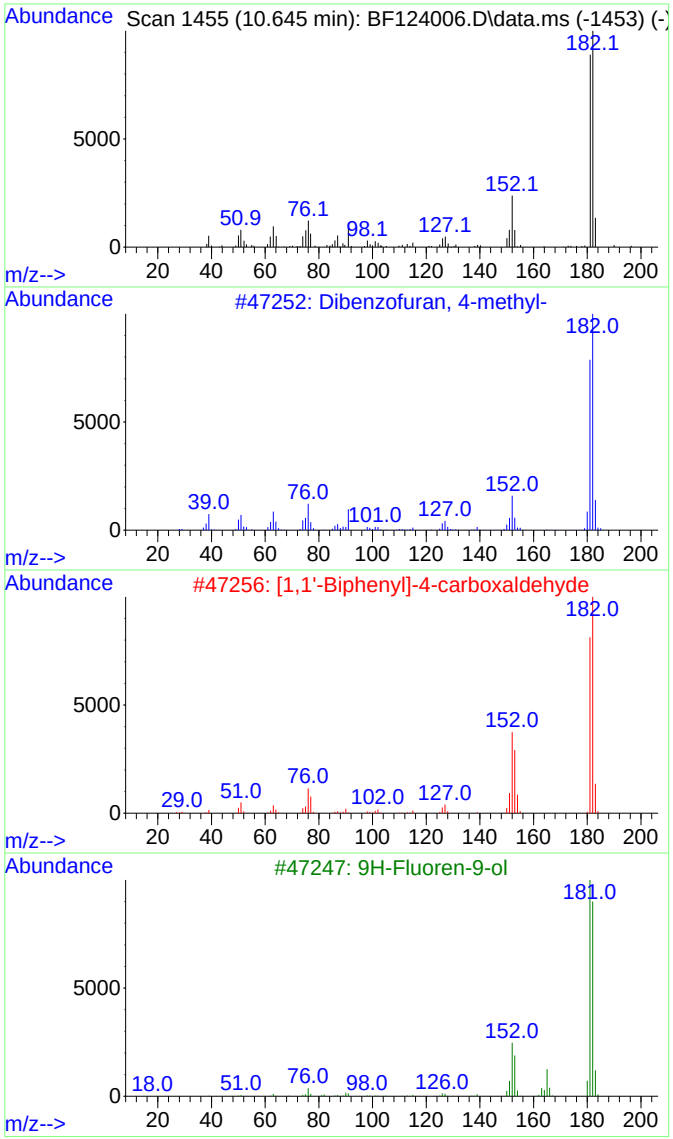
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

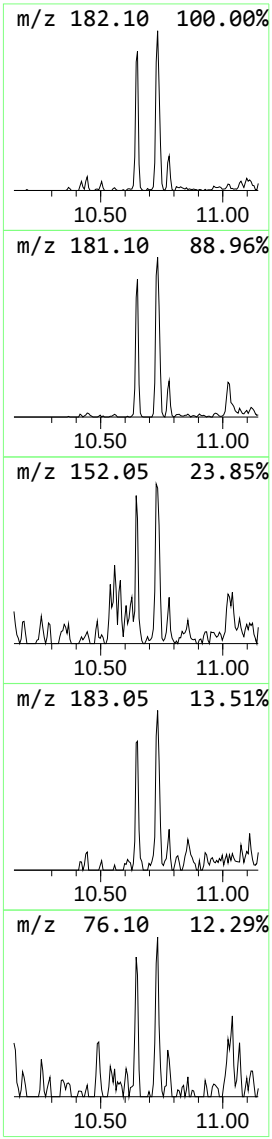
****

Peak Number 4 Dibenzofuran, 4-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.645	8.24 ng	246606	Acenaphthene-d10	9.945

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzofuran, 4-methyl-	182	C13H10O	007320-53-8	93
2	[1,1'-Biphenyl]-4-carboxaldehyde	182	C13H10O	003218-36-8	87
3	9H-Fluoren-9-ol	182	C13H10O	001689-64-1	86
4	Norharmane, N-methyl-	182	C12H10N2	1000374-78-6	72
5	2-Hydroxyfluorene	182	C13H10O	002443-58-5	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

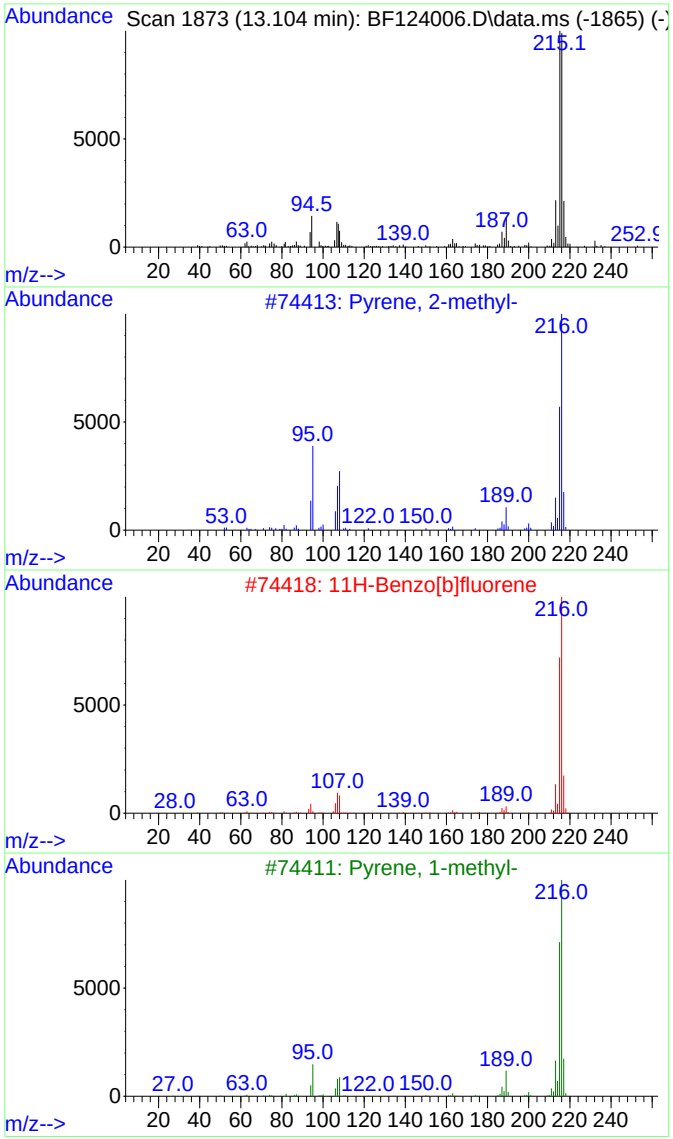
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

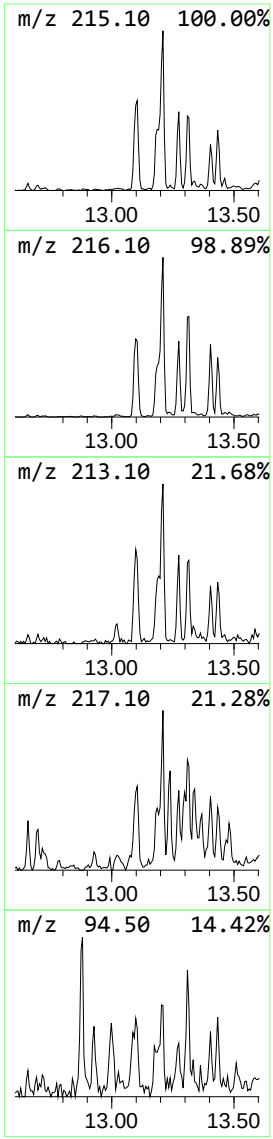
****

Peak Number 5 Pyrene, 2-methyl- Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.104	3.37 ng	640836	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	93
3	Pyrene, 1-methyl-	216	C17H12	002381-21-7	92
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	76
5	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

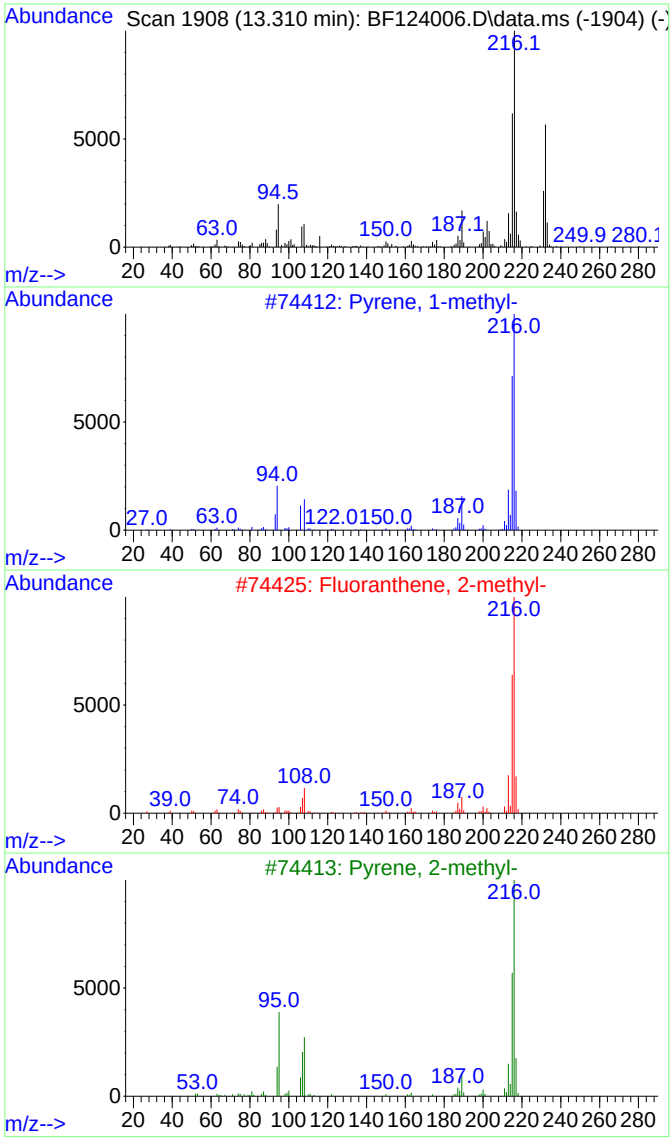
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

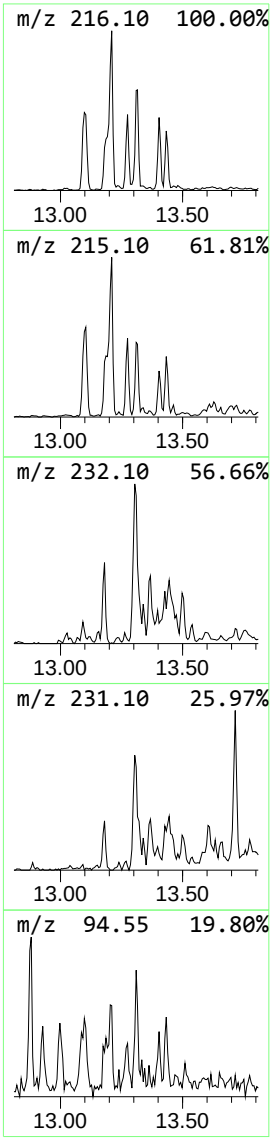
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Pyrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.310	3.05 ng	579327	Chrysene-d12	14.092

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	87
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	78
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	60
5	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

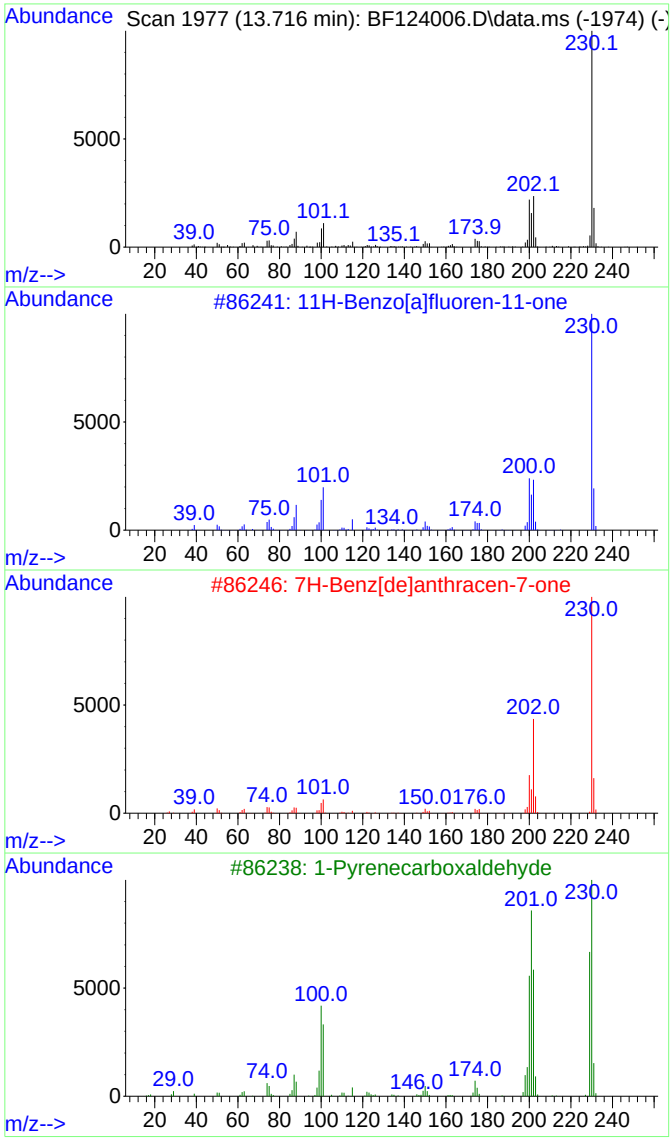
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

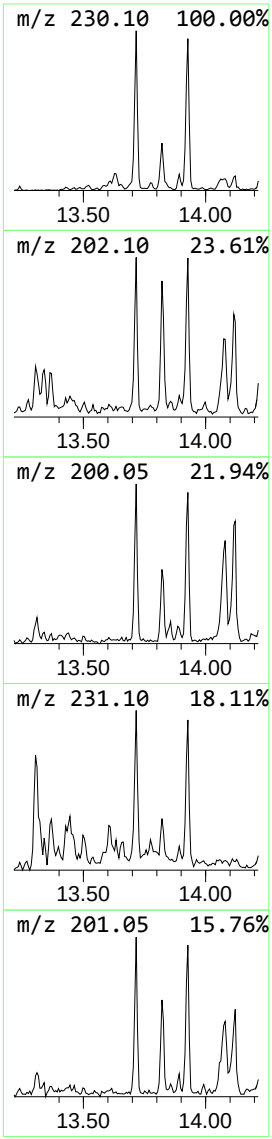
****

Peak Number 7 11H-Benzo[a]fluoren-11-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.716	2.92 ng	556129	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	97
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	78
4	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	68
5	6,6-Diphenylfulvene	230	C18H14	002175-90-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

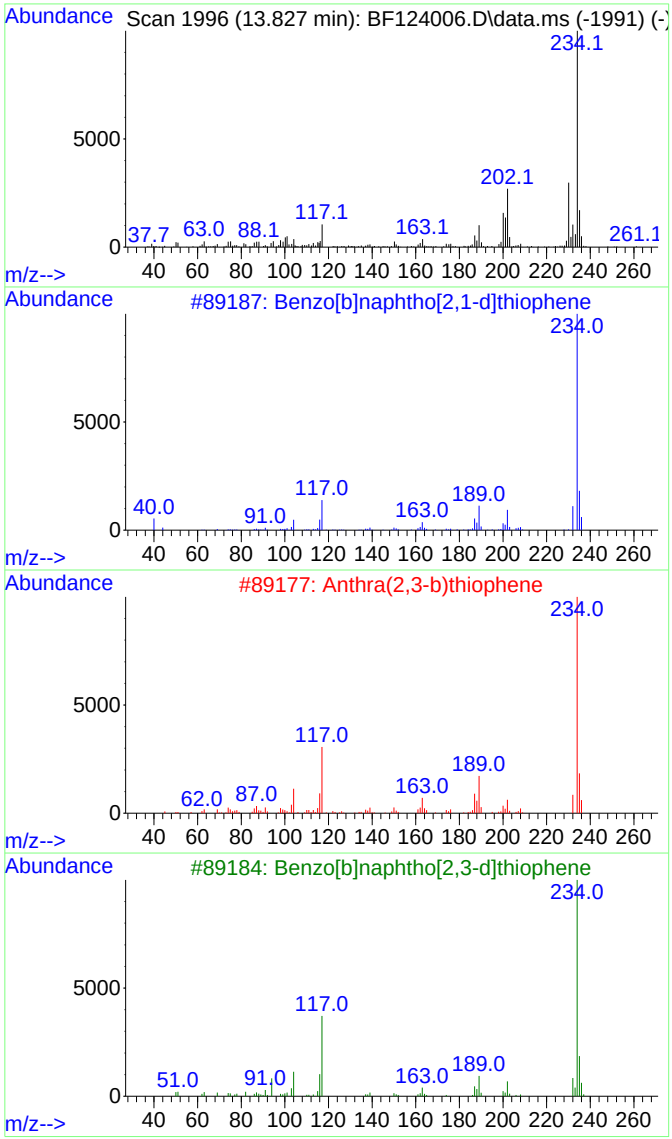
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

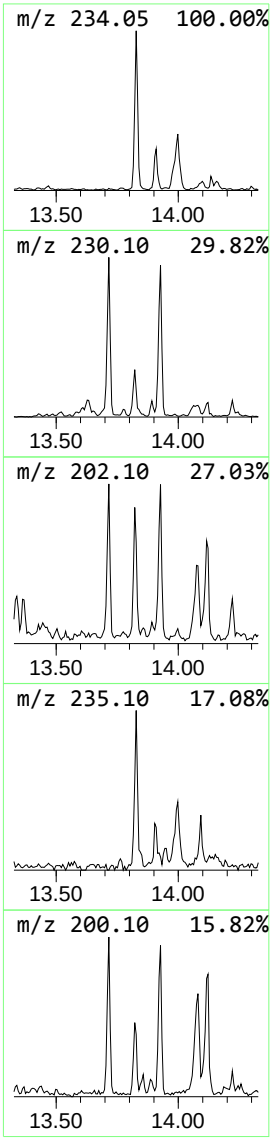
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	3.08 ng	586491	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	93
3	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	70
4	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	64
5	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

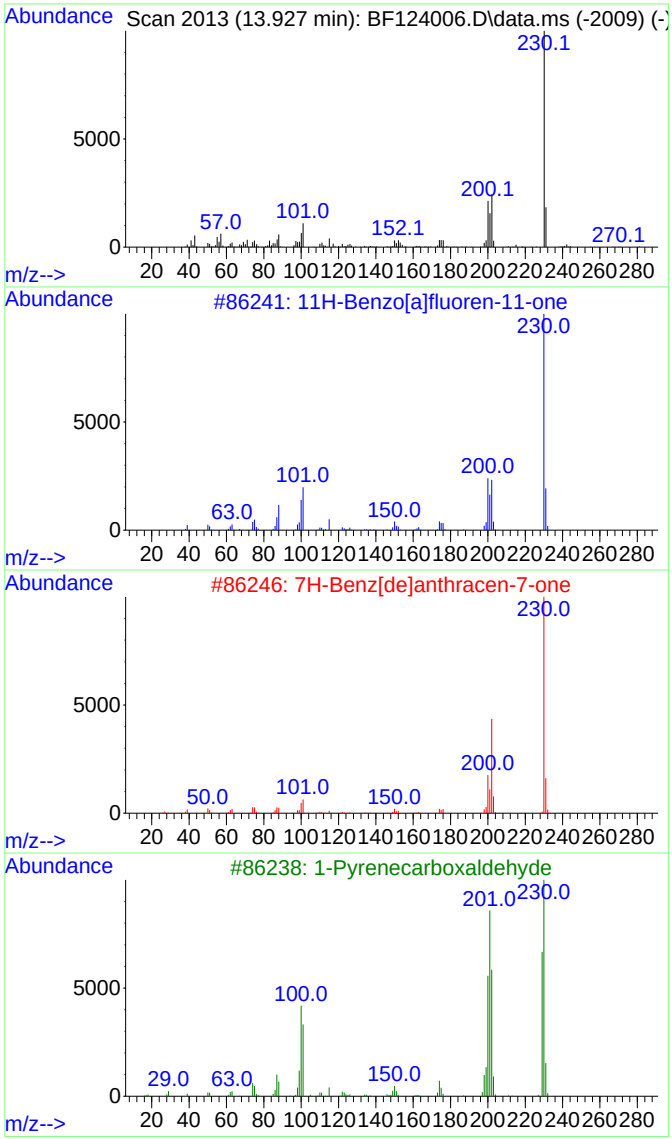
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

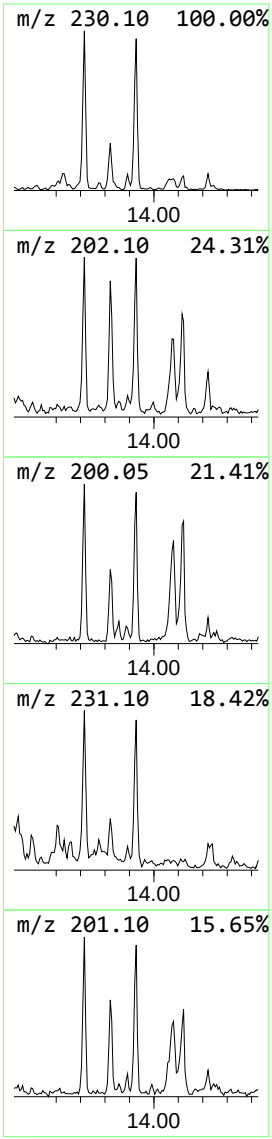
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 7H-Benz[de]anthracen-7-one Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.927	4.20 ng	799739	Chrysene-d12	14.092

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	90
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	72
4	o-Terphenyl	230	C18H14	000084-15-1	58
5	6H-Benz[de]anthracen-6-one	230	C17H10O	080252-14-8	58





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

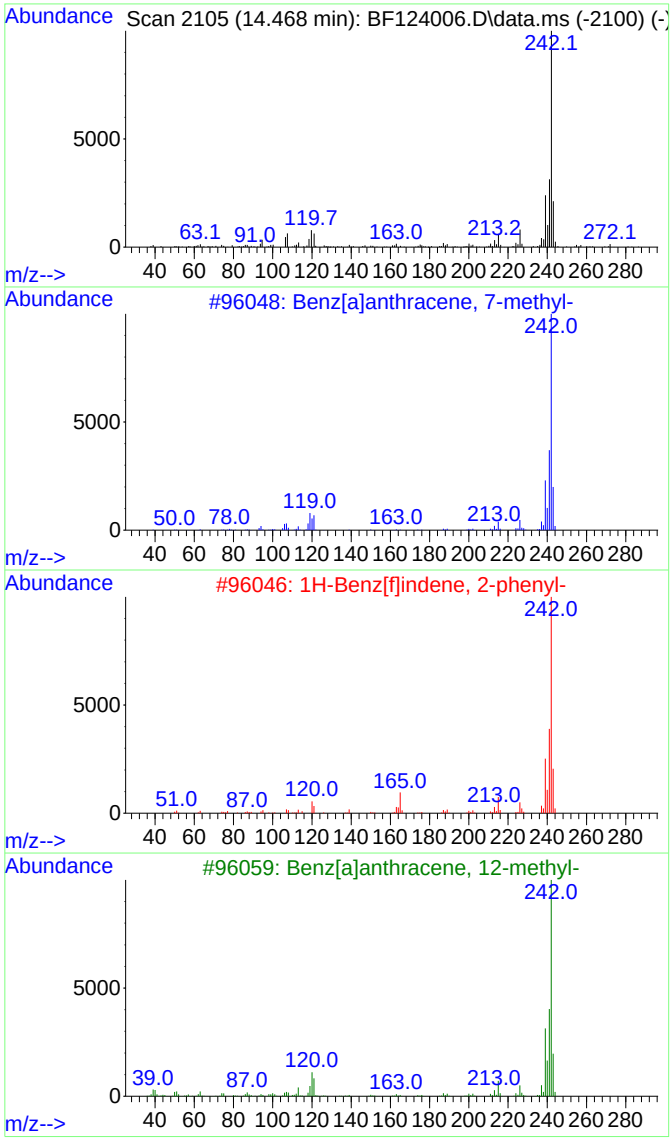
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

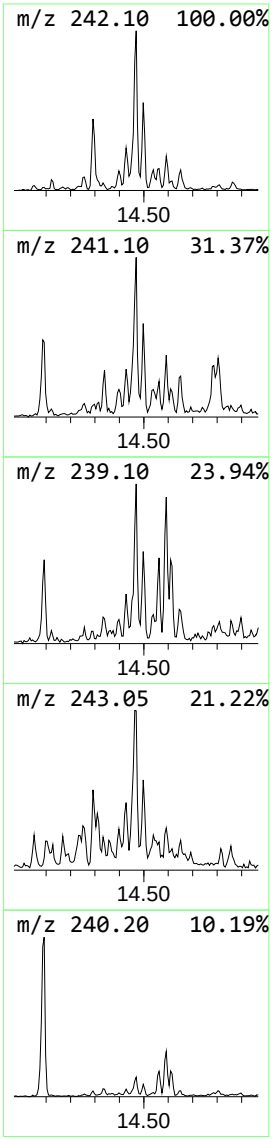
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benz[a]anthracene, 7-methyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.468	3.05 ng	580901	Chrysene-d12	14.092

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	96
2	1H-Benz[f]indene, 2-phenyl-	242	C19H14	1000305-22-4	96
3	Benz[a]anthracene, 12-methyl-	242	C19H14	002422-79-9	95
4	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
5	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	95





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

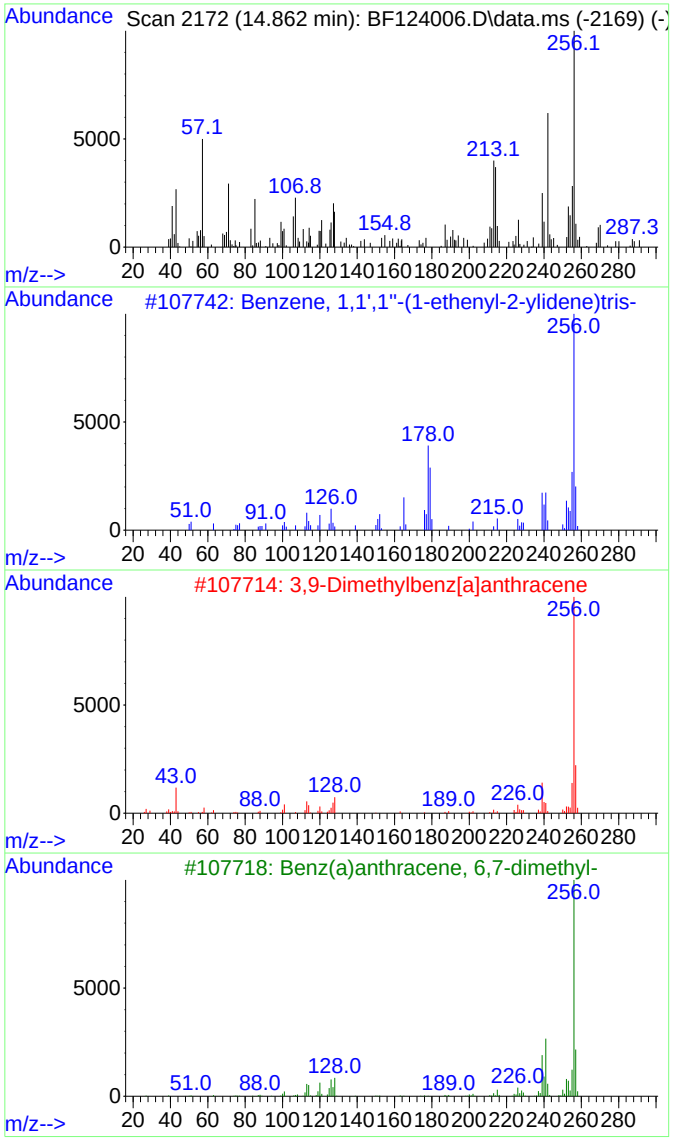
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

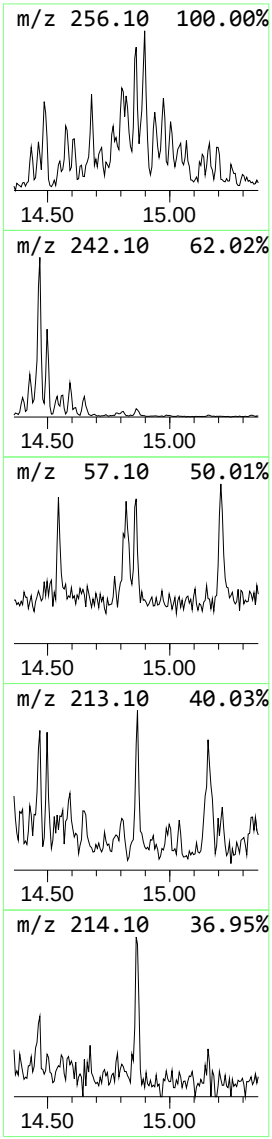
****

Peak Number 11 unknown14.86 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.863	4.86 ng	113183	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,1',1''-(1-ethenyl-2-y...	256	C20H16	000058-72-0	46
2	3,9-Dimethylbenz[a]anthracene	256	C20H16	000316-51-8	43
3	Benz(a)anthracene, 6,7-dimethyl-	256	C20H16	020627-28-5	43
4	Benz(a)anthracene, 6,8-dimethyl-	256	C20H16	000317-64-6	43
5	4,12-Dimethylbenz[a]anthracene	256	C20H16	035187-19-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

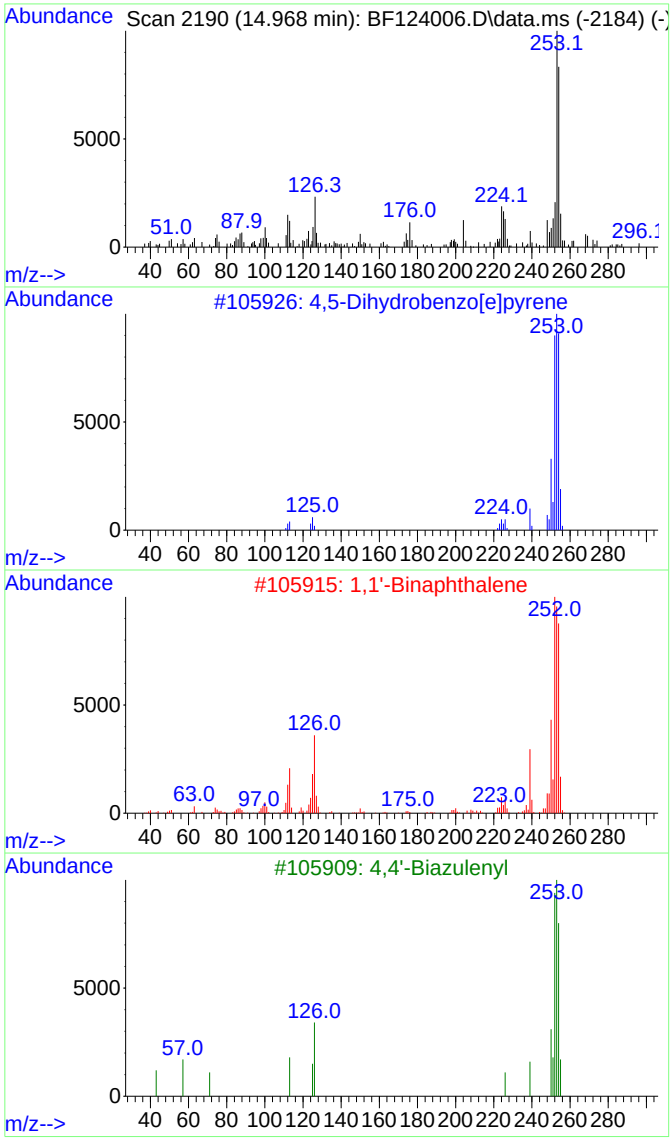
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

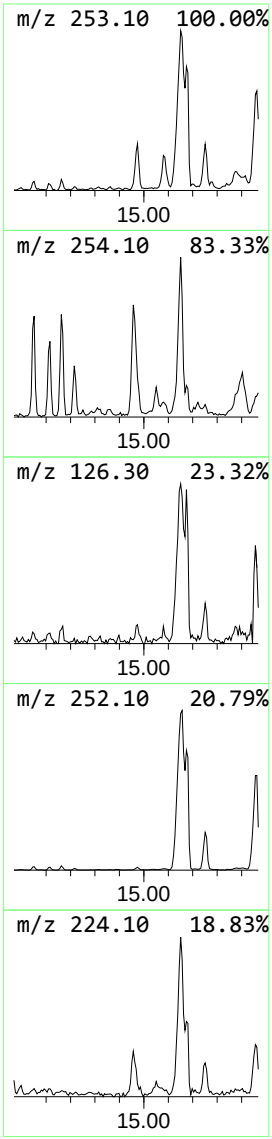
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 4,5-Dihydrobenzo[e]pyrene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.968	14.12 ng	329127	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4,5-Dihydrobenzo[e]pyrene	254	C20H14	095676-42-9	76
2	1,1'-Binaphthalene	254	C20H14	000604-53-5	74
3	4,4'-Biazulenyl	254	C20H14	094053-54-0	74
4	1H-Indene, 1,1'-(1,2-ethanediyli...	254	C20H14	072088-04-1	74
5	9H-Fluorene, 9-(phenylmethylene)-	254	C20H14	001836-87-9	72





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

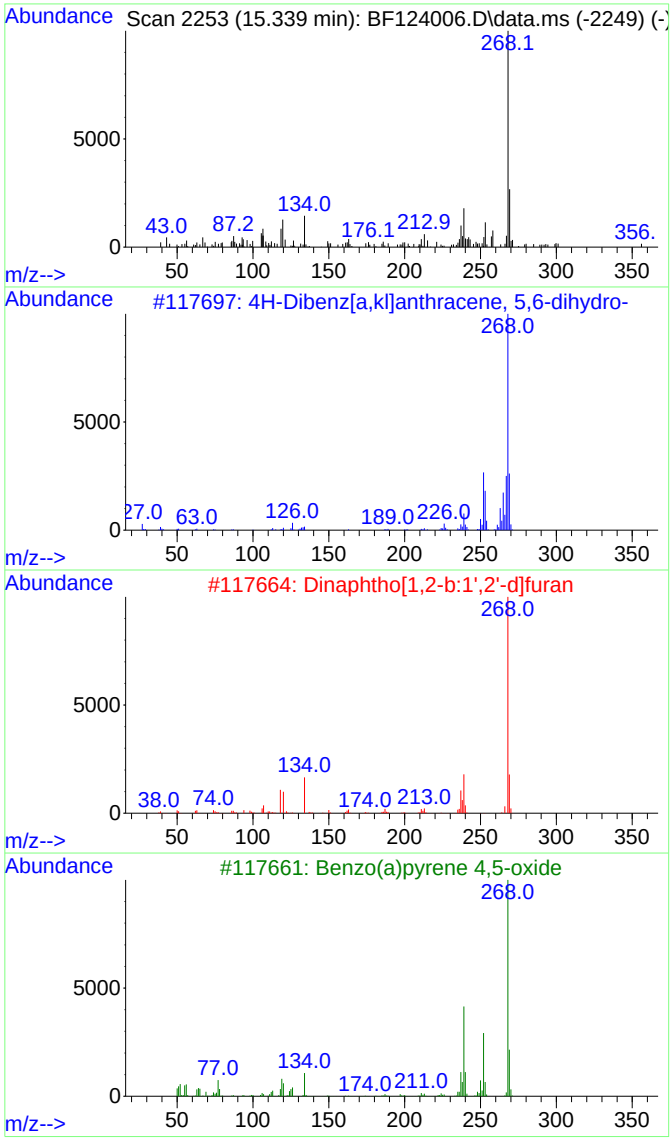
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

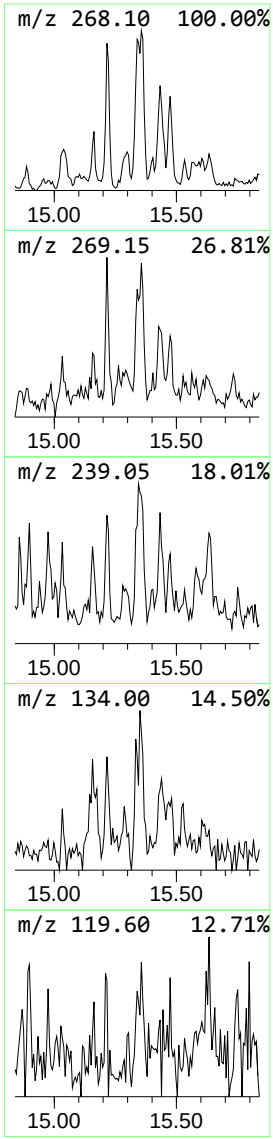
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 4H-Dibenz[a,kl]anthracene, ... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.339	5.29 ng	123346	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Dibenz[a,kl]anthracene, 5,6-d...	268	C21H16	007198-87-0	90
2	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	81
3	Benzo(a)pyrene 4,5-oxide	268	C20H12O	037574-47-3	81
4	9,10-Dihydro-8-methylbenzo[a]pyrene	268	C21H16	089524-72-1	64
5	9,10-Anthracenedione, 1,4,5,8-te...	268	C14H12N4O2	002475-45-8	64





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

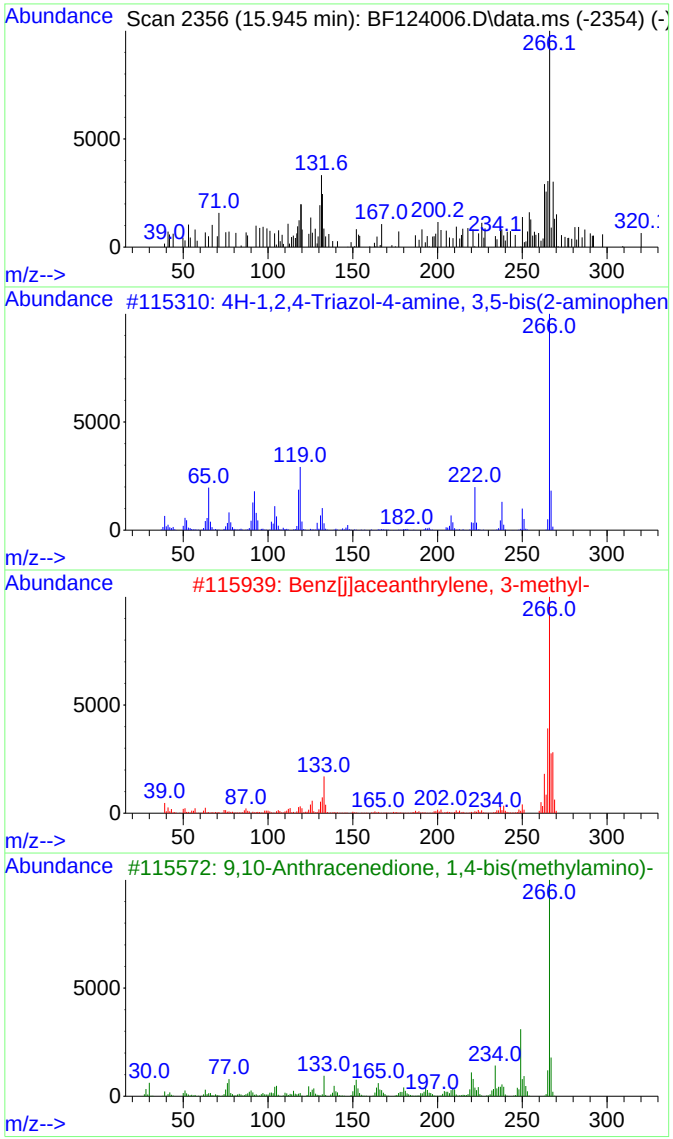
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

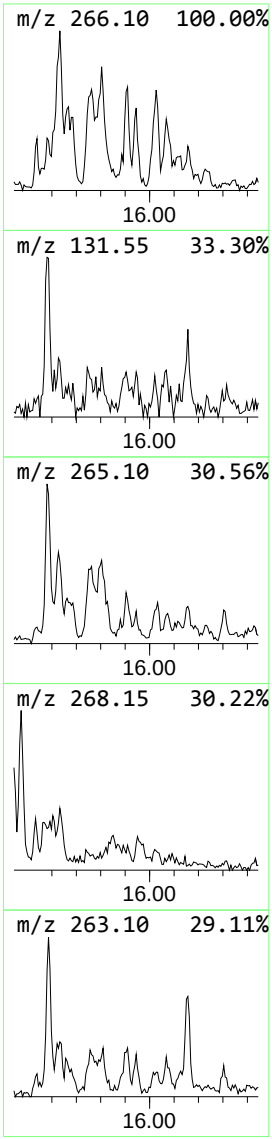
****

Peak Number 16 unknown15.94 Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.945	4.67 ng	108792	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-1,2,4-Triazol-4-amine, 3,5-bi...	266	C14H14N6	1000350-00-5	47
2	Benz[j]aceanthrylene, 3-methyl-	266	C21H14	003343-10-0	46
3	9,10-Anthracenedione, 1,4-bis(me...	266	C16H14N2O2	002475-44-7	38
4	1-Phosphacyclopent-2-ene, 1,5-di...	266	C18H19P	1000162-78-2	38
5	Perylene, 3-methyl-	266	C21H14	024471-47-4	35





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

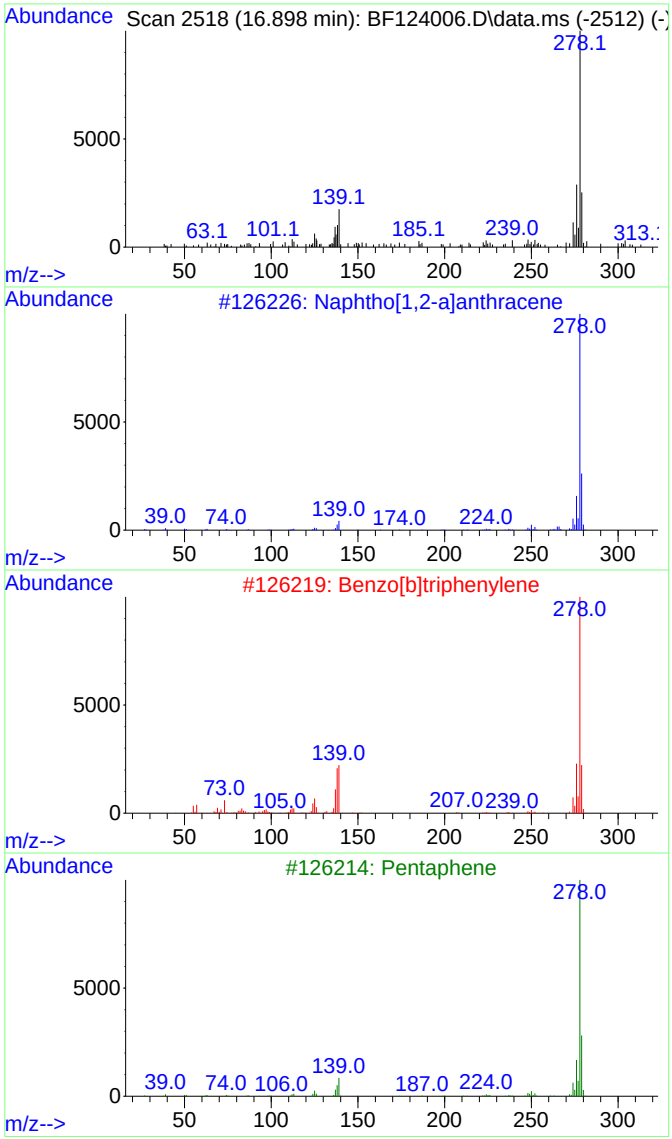
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

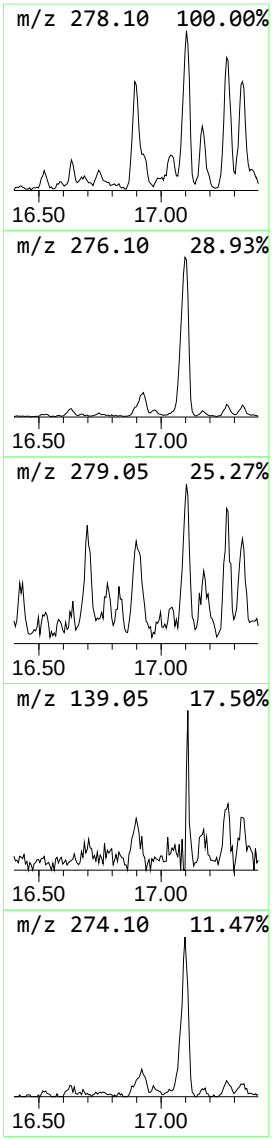
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Naphtho[1,2-a]anthracene Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.898	5.14 ng	119864	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphtho[1,2-a]anthracene	278	C22H14	000195-06-2	89
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	89
3	Pentaphene	278	C22H14	000222-93-5	76
4	Picene	278	C22H14	000213-46-7	76
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	76





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

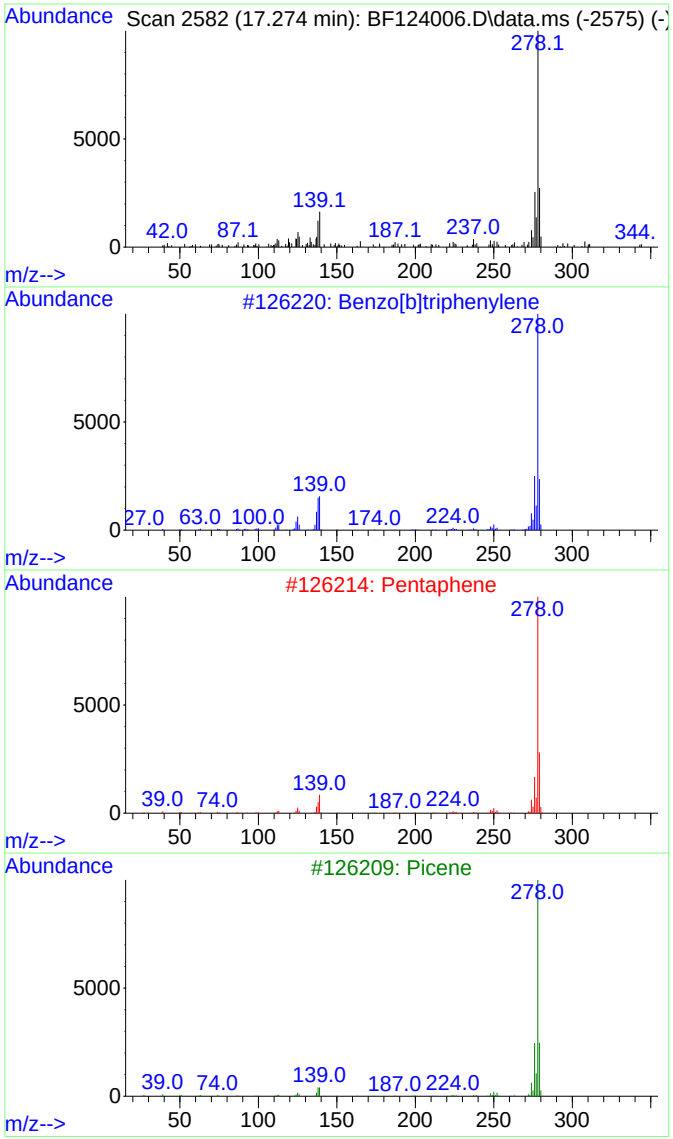
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

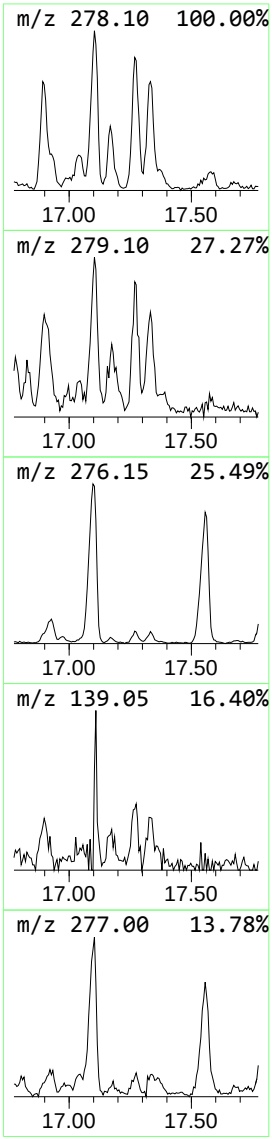
****

Peak Number 18 Benzo[b]triphenylene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.274	9.98 ng	232585	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	95
2	Pentaphene	278	C22H14	000222-93-5	95
3	Picene	278	C22H14	000213-46-7	94
4	Benzo[b]chrysene	278	C22H14	000214-17-5	90
5	Benzo[a]naphthacene	278	C22H14	000226-88-0	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

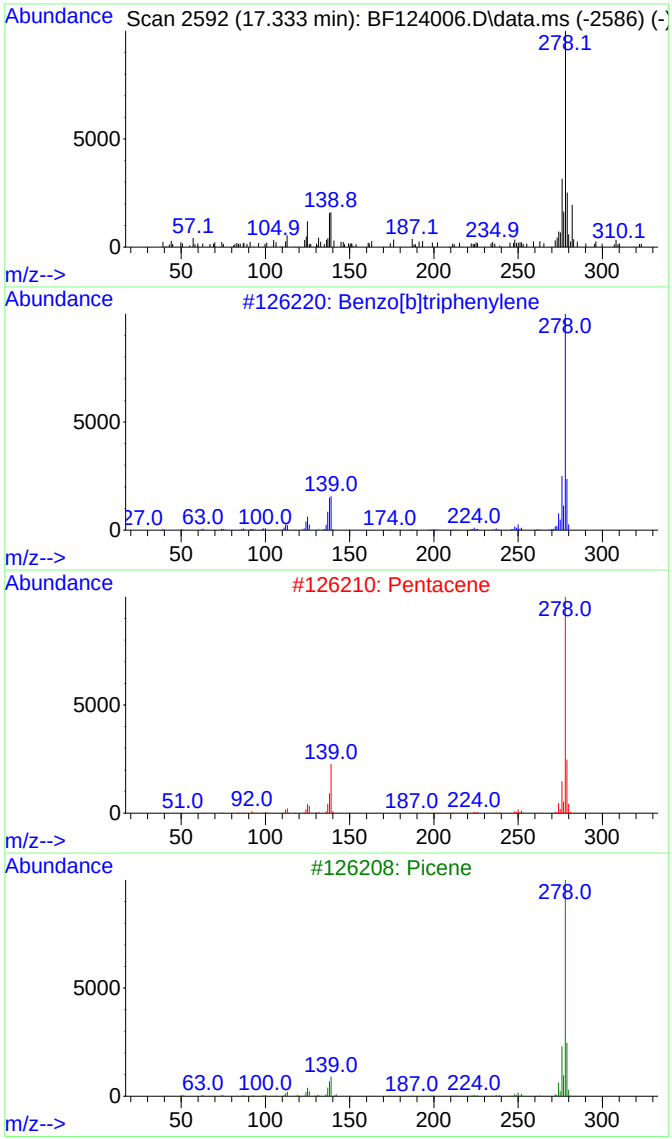
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

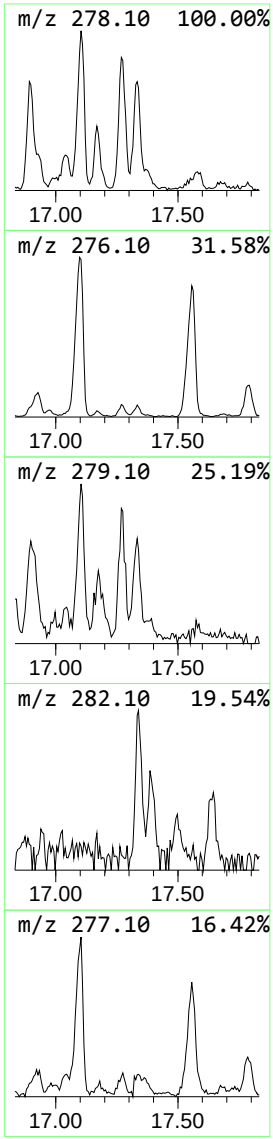
****

Peak Number 19 Pentacene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.333	7.14 ng	166436	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]triphenylene	278	C22H14	000215-58-7	93
2	Pentacene	278	C22H14	000135-48-8	64
3	Picene	278	C22H14	000213-46-7	64
4	Vanadium, (.eta.5-2,4-cyclopenta...	278	C17H23V	126948-97-8	58
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	58





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF052021\
Data File : BF124006.D
Acq On : 20 May 2021 13:31
Operator : JU/CG
Sample : M2457-02 2X
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-4

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF051421.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
Butane, 2-metho...	2.140	22.1	ng	413941	1	6.904	375077	20.0
Naphthalene, 1,...	9.522	4.4	ng	130442	3	9.945	598539	20.0
Naphthalene, 2,...	9.598	6.0	ng	179455	3	9.945	598539	20.0
Dibenzofuran, 4...	10.645	8.2	ng	246606	3	9.945	598539	20.0
Pyrene, 2-methyl-	13.104	3.4	ng	640836	5	14.092	3804490	20.0
Pyrene, 1-methyl-	13.310	3.0	ng	579327	5	14.092	3804490	20.0
11H-Benzo[a]flu...	13.716	2.9	ng	556129	5	14.092	3804490	20.0
Benzo[b]naphtho...	13.827	3.1	ng	586491	5	14.092	3804490	20.0
7H-Benz[de]anth...	13.927	4.2	ng	799739	5	14.092	3804490	20.0
Benz[a]anthrace...	14.468	3.0	ng	580901	5	14.092	3804490	20.0
unknown14.86	14.863	4.9	ng	113183	6	15.586	466190	20.0
4,5-Dihydrobenz...	14.968	14.1	ng	329127	6	15.586	466190	20.0
4H-Dibenz[a,kl]...	15.339	5.3	ng	123346	6	15.586	466190	20.0
unknown15.94	15.945	4.7	ng	108792	6	15.586	466190	20.0
Naphtho[1,2-a]a...	16.898	5.1	ng	119864	6	15.586	466190	20.0
Benzo[b]triphen...	17.274	10.0	ng	232585	6	15.586	466190	20.0
Pentacene	17.333	7.1	ng	166436	6	15.586	466190	20.0