LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF125119.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.216	16	22	29	rVB	1323298	1683257	41.55%	3.531%
2	5.146	515	520	525	rVV	258540	290842	7.18%	0.610%
3	5.534	577	586	589	rBV	3649898	3613266	89.20%	7.579%
4	5.946	649	656	660	rBV3	79716	104990	2.59%	0.220%
5	6.169	689	694	697	rBV2	126214	166869	4.12%	0.350%
6	6.457	739	743	748	rVB5	127285	204705	5.05%	0.429%
7	6.534	751	756	759	rBV	3309924	3719232	91.82%	7.801%
8	6.751	789	793	796	rBV2	137292	154443	3.81%	0.324%
9	6.916	818	821	825	rVB	1249104	1095630	27.05%	2.298%
10	7.316	884	889	891	rBV4	107623	119258	2.94%	0.250%
11	7.481	912	917	920	rVV	2630769	2542636	62.77%	5.333%
12	7.510	920	922	926	rVV	146017	112050	2.77%	0.235%
13	7.622	934	941	944	rBV3	60185	104930	2.59%	0.220%
14	8.098	1018	1022	1027	rBV	695900	587661	14.51%	1.233%
15	8.181	1033	1036	1037	rBV	111281	106151	2.62%	0.223%
16	8.198	1037	1039	1042	rVV	1535726	1324092	32.69%	2.777%
17	8.257	1045	1049	1052	rVB	127140	107711	2.66%	0.226%
18	8.492	1082	1089	1095	rBV7	59609	114729	2.83%	0.241%
19	8.616	1107	1110	1115	rVV	122448	152021	3.75%	0.319%
20	9.010	1174	1177	1180	rBV	131634	110389	2.73%	0.232%
21	9.275	1217	1222	1225	rBV	4294968	4050765	100.00%	8.496%
22	9.534	1263	1266	1271	rVB	159564	216772	5.35%	0.455%
23	9.586	1272	1275	1277	rBV	128523	105158	2.60%	0.221%
24	9.610	1277	1279	1282	rVV	292375	280636	6.93%	0.589%
25	9.639	1282	1284	1286	rVV	185731	140934	3.48%	0.296%
26	9.669	1286	1289	1293	rVV4	92586	116674	2.88%	0.245%
27	9.934	1331	1334	1335	rBV	192138	143902	3.55%	0.302%
28	9.957	1335	1338	1341	rVV	1802680	1498682	37.00%	3.143%
29	9.992	1341	1344	1346	rVB2	133034	117632	2.90%	0.247%
30	10.057	1352	1355	1359	rVB	97617	118452	2.92%	0.248%
31	10.157	1369	1372	1374	rVV	192432	166823	4.12%	0.350%
32	10.198	1374	1379	1384	rVB	197199	219312	5.41%	0.460%
33	10.269	1384	1391	1393	rBV3	132286	161080	3.98%	0.338%
34	10.298	1393	1396	1399	rVB2	188136	155732	3.84%	0.327%
35	10.433	1416	1419	1421	rVV	160145	154407	3.81%	0.324%
36	10.457	1421	1423	1426	rVV	224582	170422	4.21%	0.357%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.516	1428	1433	1437	rVB2	247930	262166	6.47%	0.550%
38	10.569	1437	1442	1444	rBV2	132348	149479	3.69%	0.314%
39	10.657	1453	1457	1461	rBV2	125701	140170	3.46%	0.294%
40	10.745	1467	1472	1475	rBV	2704028	2486030	61.37%	5.214%
41	10.786	1475	1479	1482	rVB3	87152	117360	2.90%	0.246%
42	10.869	1488	1493	1496	rVB2	99133	116459	2.87%	0.244%
43	10.916	1498	1501	1503	rBV	175994	128208	3.17%	0.269%
44	11.075	1526	1528	1533	rVV	136068	154712	3.82%	0.325%
45	11.198	1547	1549	1554	rVB2	92043	135234	3.34%	0.284%
46	11.245	1554	1557	1561	rBV2	248588	287920	7.11%	0.604%
47	11.298	1561	1566	1568	rVV3	114189	173300	4.28%	0.363%
48	11.339	1571	1573	1578	rVB2	122157	123339	3.04%	0.259%
49	11.445	1585	1591	1593	rBV	1722558	1547767	38.21%	3.246%
50	11.463	1593	1594	1598	rVB	427497	338771	8.36%	0.711%
51	11.551	1605	1609	1612	rBV2	176507	236385	5.84%	0.496%
52	11.616	1615	1620	1623	rVB3	295089	441977	10.91%	0.927%
53	11.775	1642	1647	1653	rVB2	356623	428291	10.57%	0.898%
54	11.833	1653	1657	1659	rBV	192514	181538	4.48%	0.381%
55	11.945	1673	1676	1678	rBV	561309	525480	12.97%	1.102%
56	11.975	1678	1681	1684	rVB	771833	790873	19.52%	1.659%
57	12.051	1684	1694	1697	rBV	441483	510445	12.60%	1.071%
58	12.080	1697	1699	1702	rVB	184992	150230	3.71%	0.315%
59	12.127	1702	1707	1708	rBV3	122772	126307	3.12%	0.265%
60	12.145	1708	1710	1713	rVV3	134616	144624	3.57%	0.303%
61	12.175	1713	1715	1718	rVB2	224225	194061	4.79%	0.407%
62	12.239	1723	1726	1728	rVV2	342316	324078	8.00%	0.680%
63	12.269	1728	1731	1737	rVB	138614	196170	4.84%	0.411%
64	12.386	1745	1751	1754	rBV	240501	270164	6.67%	0.567%
65	12.422	1754	1757	1759	rVV	348961	307122	7.58%	0.644%
66	12.445	1759	1761	1763	rVV	257686	203560	5.03%	0.427%
67	12.492	1766	1769	1772	rVV	470326	484503	11.96%	1.016%
68	12.539	1772	1777	1781	rVV2	264588	566332	13.98%	1.188%
69	12.580	1781	1784	1787	rVV	143322	164927	4.07%	0.346%
70	12.622	1787	1791	1794	rVB2	130548	159943	3.95%	0.335%
71	12.657	1794	1797	1801	rBV	273640	259410	6.40%	0.544%
72	12.698	1801	1804	1807	rVV2	262092	262592	6.48%	0.551%
73	12.839	1825	1828	1831	rVB2	99512	117483	2.90%	0.246%
74	12.904	1833	1839	1842	rBV3	168820	276328	6.82%	0.580%
75	12.939	1842	1845	1849	rVB	187214	190363	4.70%	0.399%
76	13.033	1856	1861	1864	rVV	3895472	3747076	92.50%	7.859%

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
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Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

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-BF081821.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.098	1867	1872	1875	rBV	203279	250762	6.19%	0.526%
78	13.163	1879	1883	1887	rBV2	117049	231097	5.71%	0.485%
79	13.210	1889	1891	1895	rVB	124224	112996	2.79%	0.237%
80	13.586	1948	1955	1957	rBV2	130647	195621	4.83%	0.410%
81	13.616	1957	1960	1963	rBV	185959	203364	5.02%	0.427%
82	13.716	1975	1977	1982	rVB2	173109	213049	5.26%	0.447%
83	13.833	1992	1997	2001	rBV2	147562	202908	5.01%	0.426%
84	13.927	2010	2013	2020	rBV6	94628	209511	5.17%	0.439%
85	14.010	2024	2027	2031	rBV3	168727	243140	6.00%	0.510%
86	14.080	2035	2039	2042	rBV	1080138	1154446	28.50%	2.421%
87	14.110	2042	2044	2046	rVB	166055	129801	3.20%	0.272%
88	14.169	2052	2054	2057	rVB	184672	153825	3.80%	0.323%
89	14.221	2058	2063	2064	rBV2	84198	120552	2.98%	0.253%
90	14.239	2064	2066	2071	rVB2	155833	189809	4.69%	0.398%
91	14.469	2100	2105	2108	rVB2	221181	326567	8.06%	0.685%
92	14.504	2108	2111	2113	rBV	168120	167552	4.14%	0.351%
93	14.669	2136	2139	2145	rVB3	92863	129207	3.19%	0.271%
94	14.810	2160	2163	2166	rVV	96119	135547	3.35%	0.284%
95	14.868	2170	2173	2175	rVV	95657	104436	2.58%	0.219%
96	14.904	2176	2179	2183	rVB	120514	141697	3.50%	0.297%
97	15.133	2215	2218	2225	rVB	100768	154249	3.81%	0.324%
98	15.451	2269	2272	2277	rVB	91687	117722	2.91%	0.247%
99	15.504	2278	2281	2288	rVB2	69489	116572	2.88%	0.245%
100	15.580	2289	2294	2299	rBV	760698	1018216	25.14%	2.136%

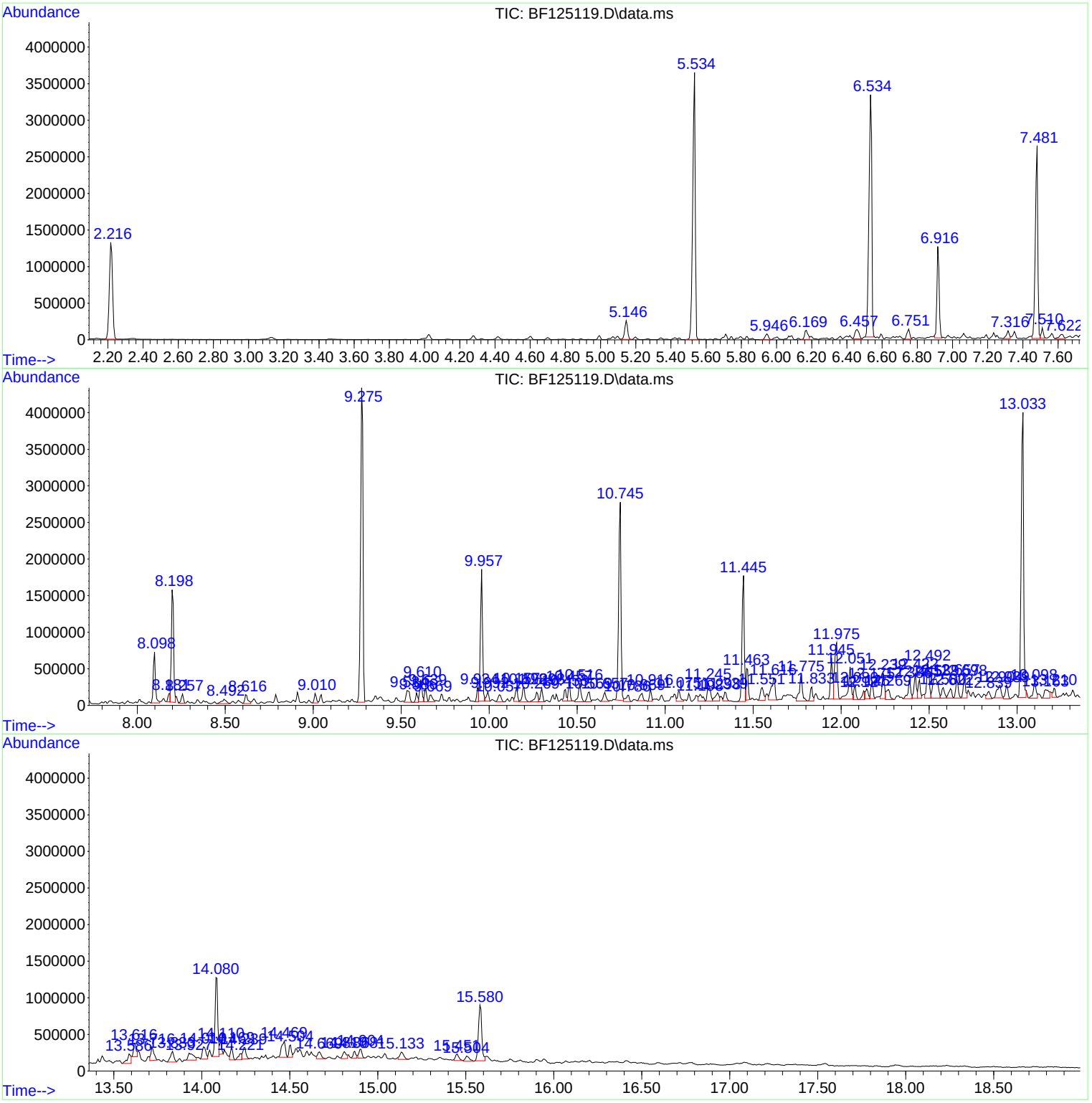
Sum of corrected areas: 47676068

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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\BF081921\
Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
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Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

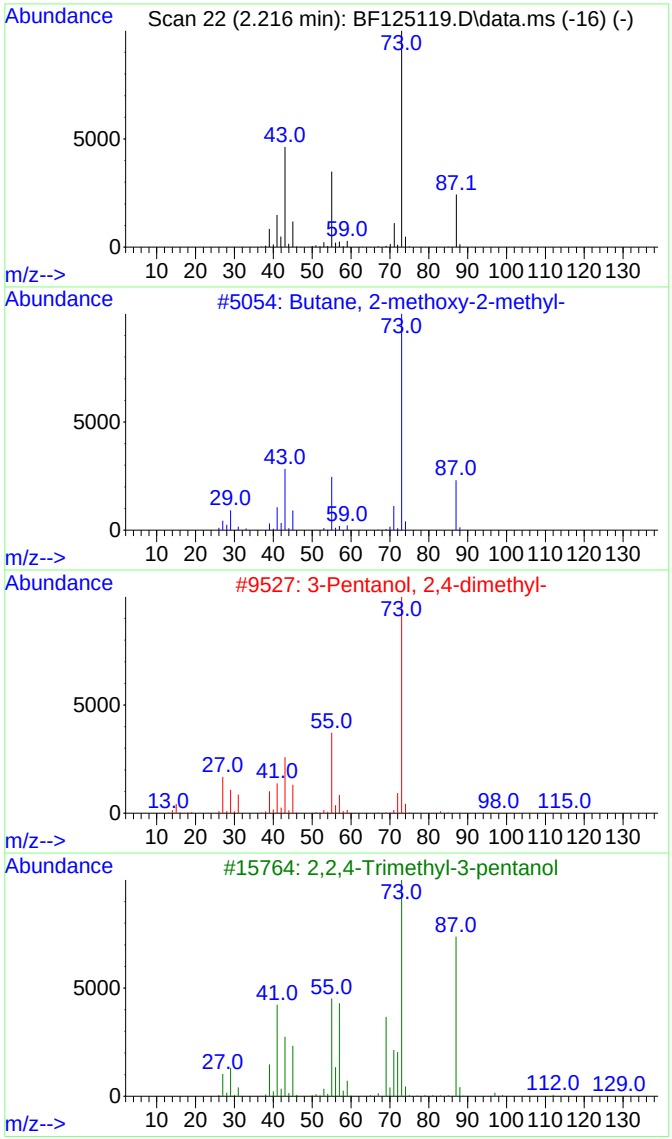
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

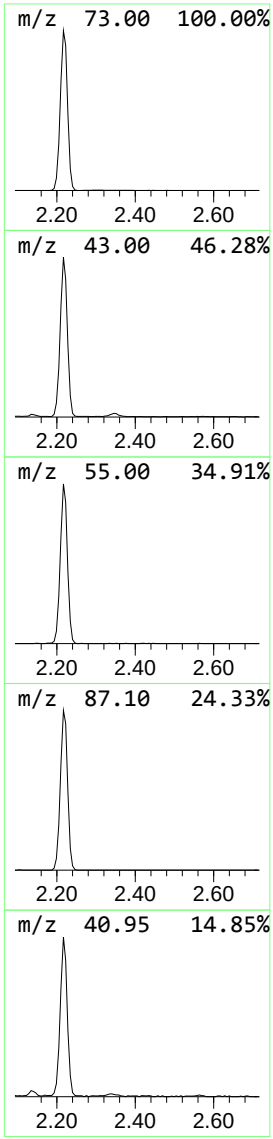
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.216	30.73 ng	1683260	1,4-Dichlorobenzene-d4	6.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Butane, 2-methoxy-2-methyl-	102	C6H14O	000994-05-8	83
2	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	43
3	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	40
4	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
5	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

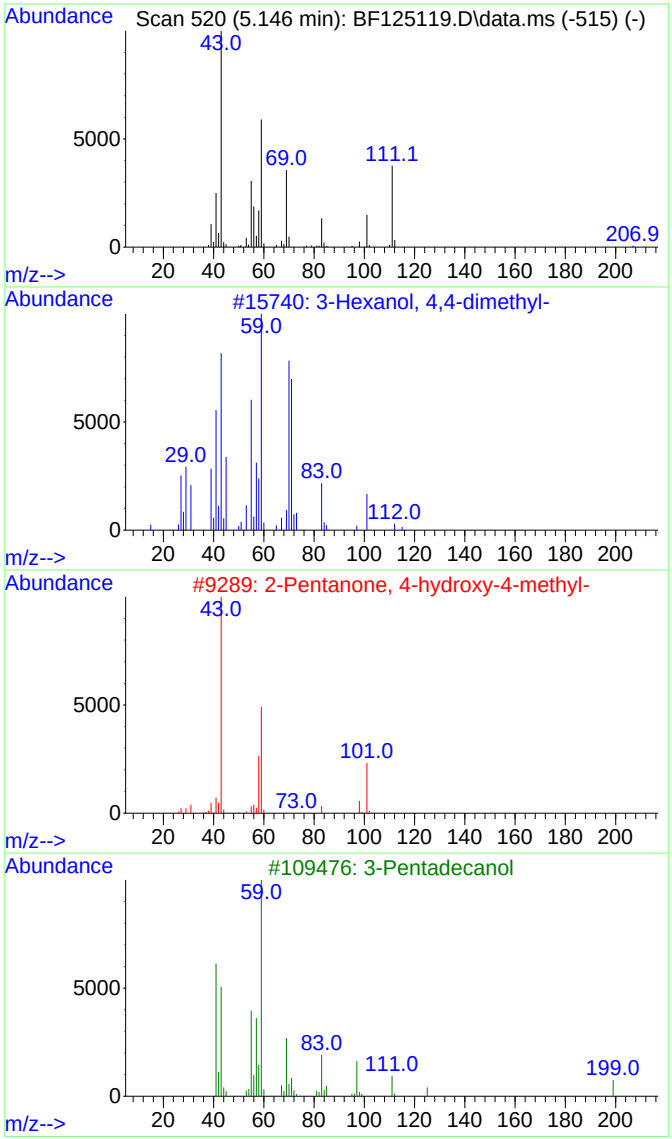
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

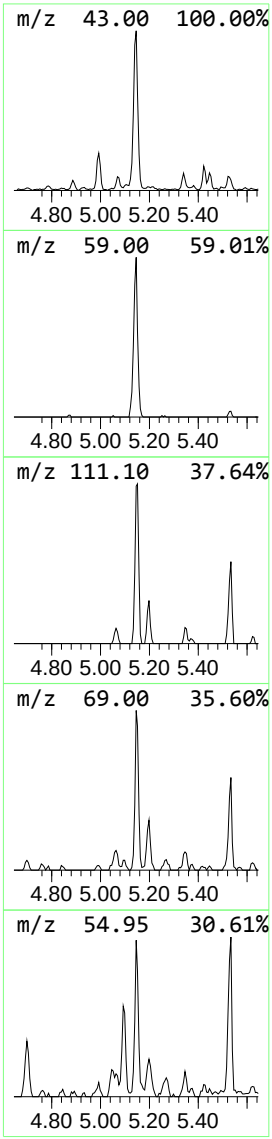
****

Peak Number 2 unknown5.146 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.146	5.31 ng	290842	1,4-Dichlorobenzene-d4	6.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexanol, 4,4-dimethyl-	130	C8H18O	019550-09-5	43
2	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	38
3	3-Pentadecanol	228	C15H32O	053346-71-7	37
4	Dimethadione	129	C5H7NO3	000695-53-4	25
5	2,5-Dimethylhexane-2,5-dihydrope...	178	C8H18O4	003025-88-5	23





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
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Acq On : 19 Aug 2021 17:45
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Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

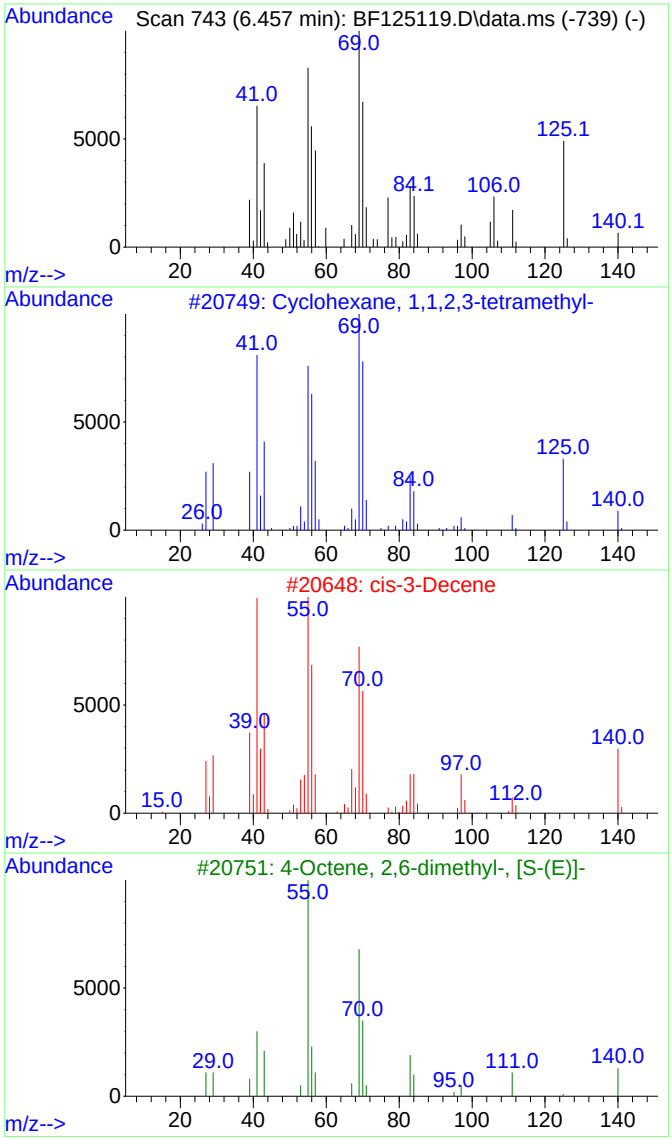
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

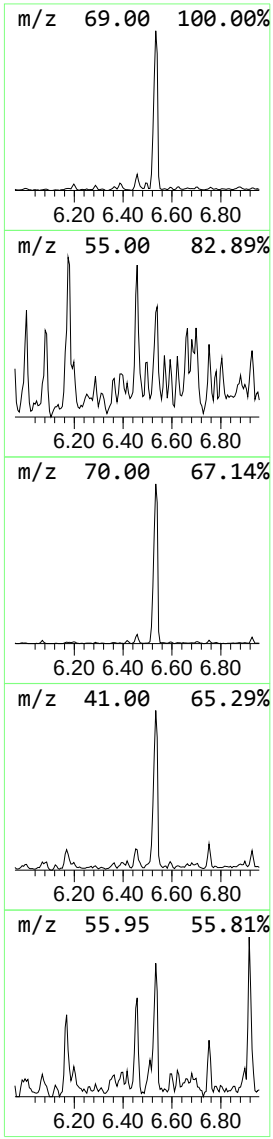
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, 1,1,2,3-tetram... Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.457	3.74 ng	204705	1,4-Dichlorobenzene-d4	6.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, 1,1,2,3-tetramethyl-	140	C10H20	006783-92-2	62
2	cis-3-Decene	140	C10H20	019398-86-8	50
3	4-Octene, 2,6-dimethyl-, [S-(E)]-	140	C10H20	062960-76-3	49
4	Cyclopropane, 1,2-dimethyl-3-pen...	140	C10H20	062238-05-5	45
5	1-Hexene, 3,3-dimethyl-	112	C8H16	003404-77-1	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
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Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

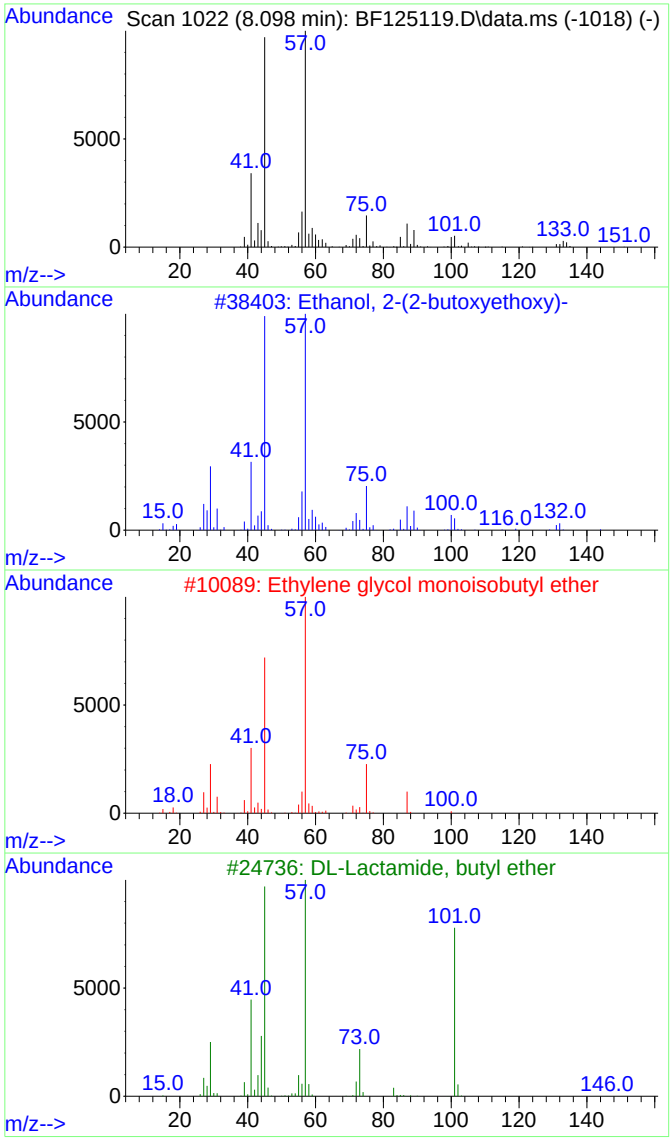
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

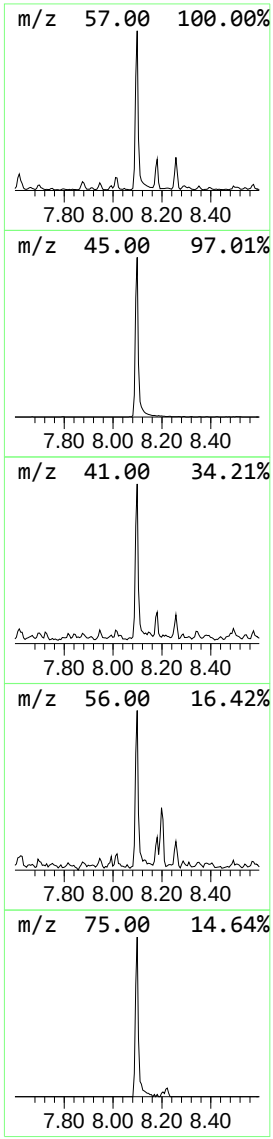
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Ethanol, 2-(2-butoxyethoxy)- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.098	8.88 ng	587661	Naphthalene-d8	8.198

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(2-butoxyethoxy)-	162	C8H18O3	000112-34-5	90
2	Ethylene glycol monoisobutyl ether	118	C6H14O2	004439-24-1	64
3	DL-Lactamide, butyl ether	145	C7H15NO2	1000452-56-5	53
4	Di-sec-Butyl ether	130	C8H18O	006863-58-7	53
5	Methoxyacetic acid, heptyl ester	188	C10H20O3	168920-36-3	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

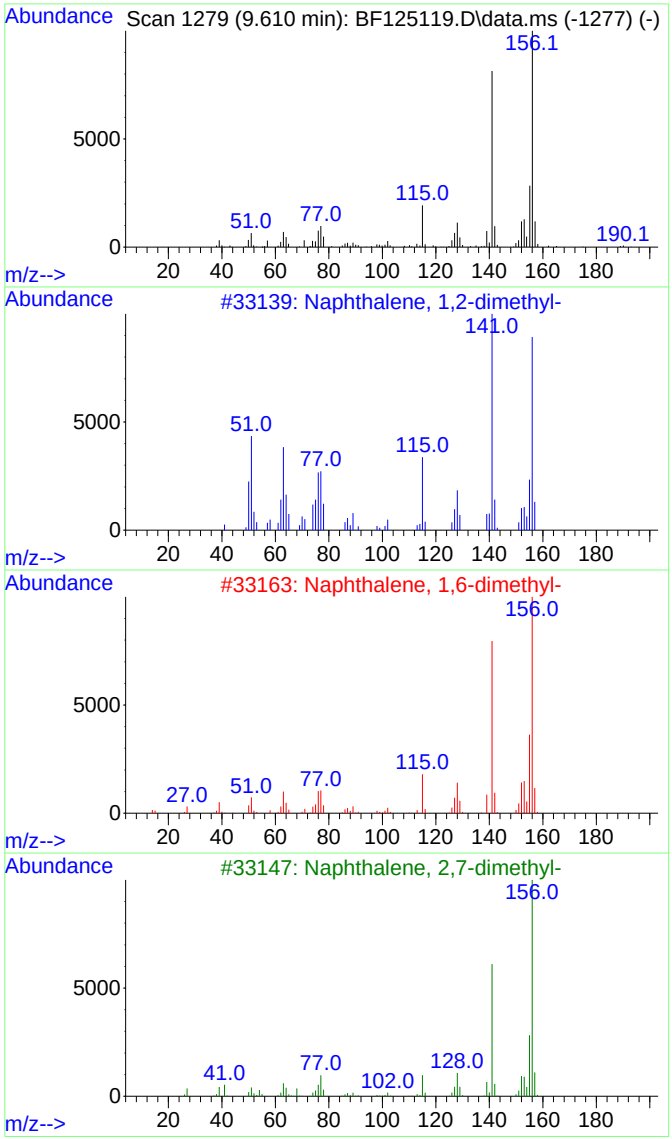
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

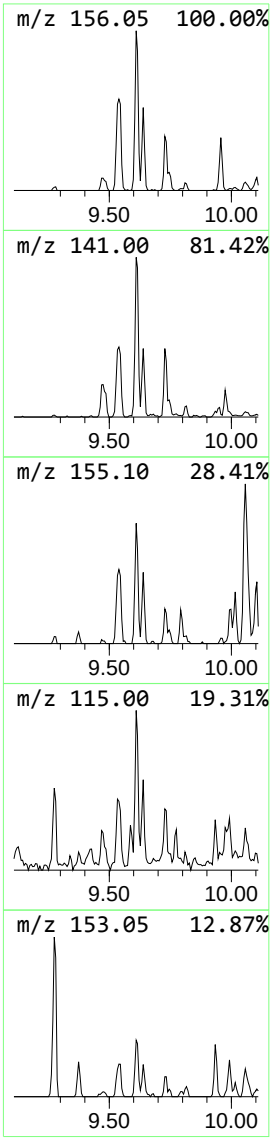
****

Peak Number 5 Naphthalene, 1,2-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.610	3.75 ng	280636	Acenaphthene-d10	9.957

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
2	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96





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Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

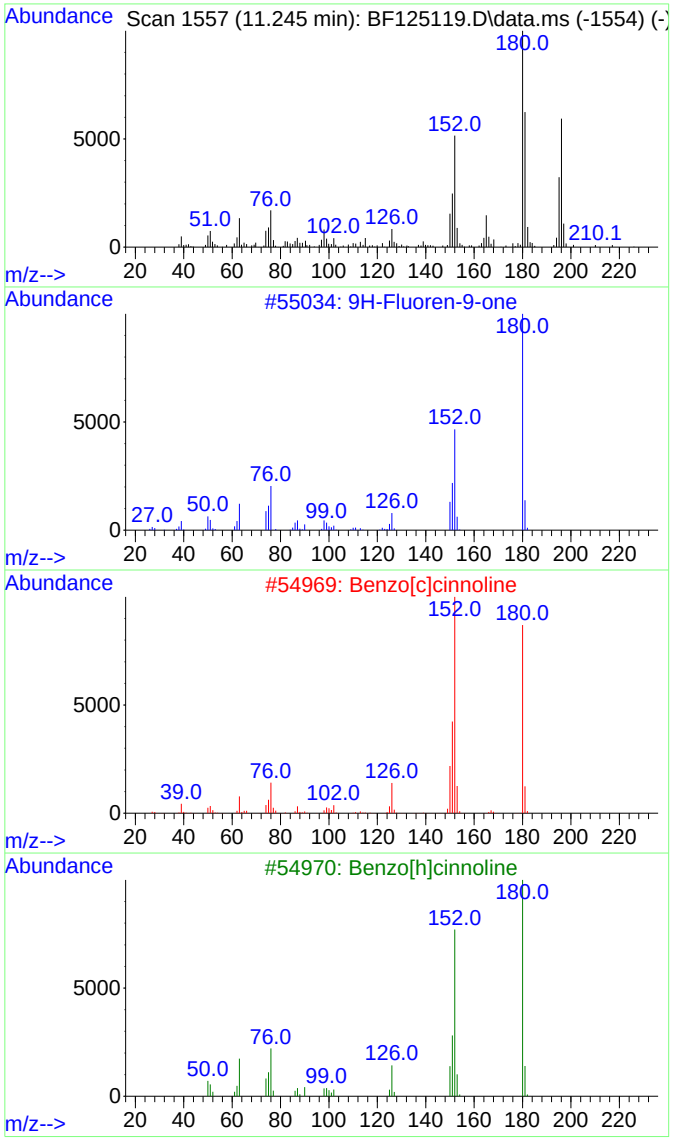
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

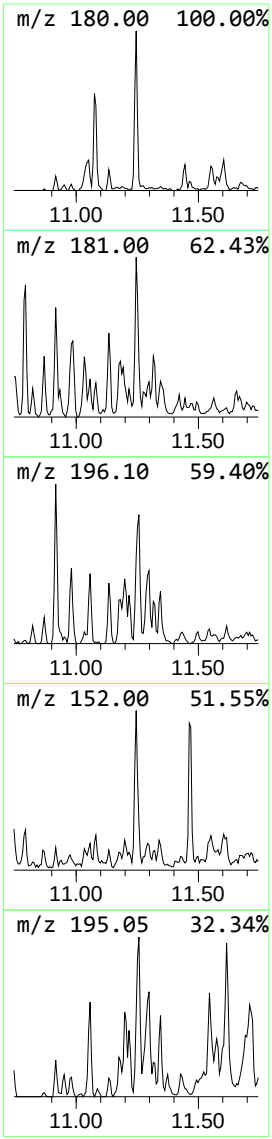
****

Peak Number 6 9H-Fluoren-9-one Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.245	3.72 ng	287920	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	95
2	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	55
3	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	55
4	2,2-Dimethyl-1-acenaphthenone	196	C14H12O	018086-43-6	50
5	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	46





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Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

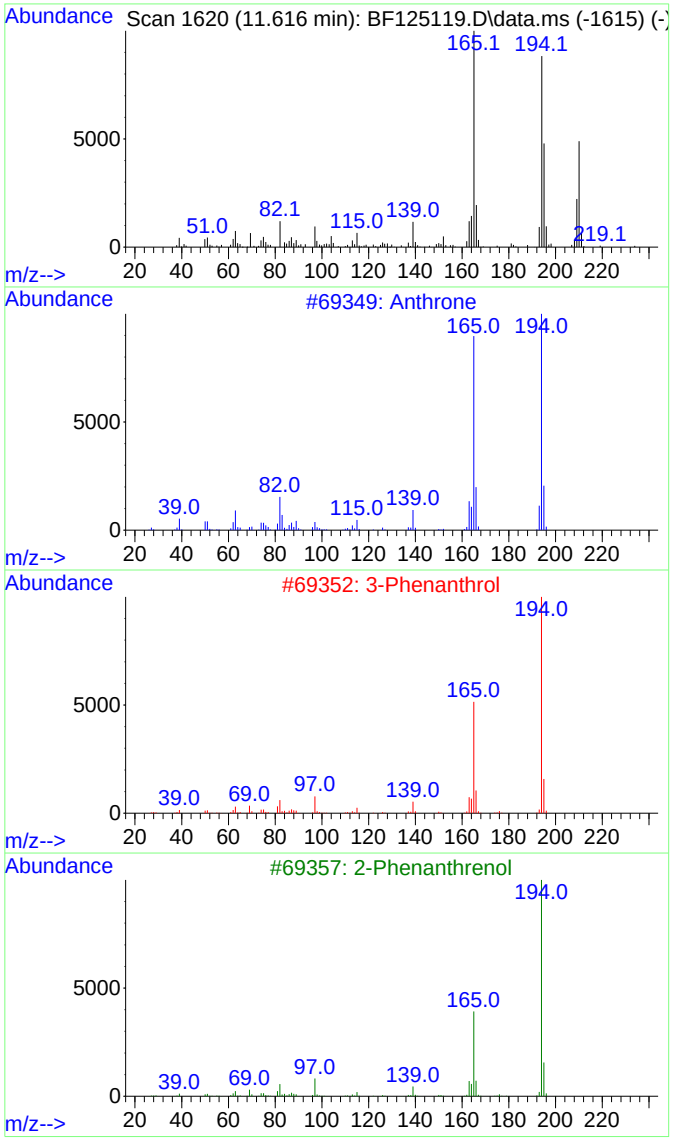
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

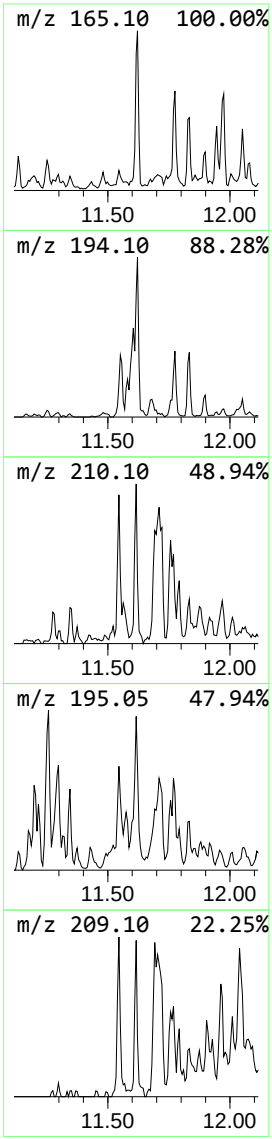
****

Peak Number 7 Anthrone Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.616	5.71 ng	441977	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthrone	194	C14H10O	000090-44-8	93
2	3-Phenanthrol	194	C14H10O	000605-87-8	52
3	2-Phenanthrenol	194	C14H10O	000605-55-0	52
4	9-anthracenol	194	C14H10O	1000400-30-3	49
5	Benzo[c]cinnoline, 4-methyl-	194	C13H10N2	019174-78-8	46





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Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

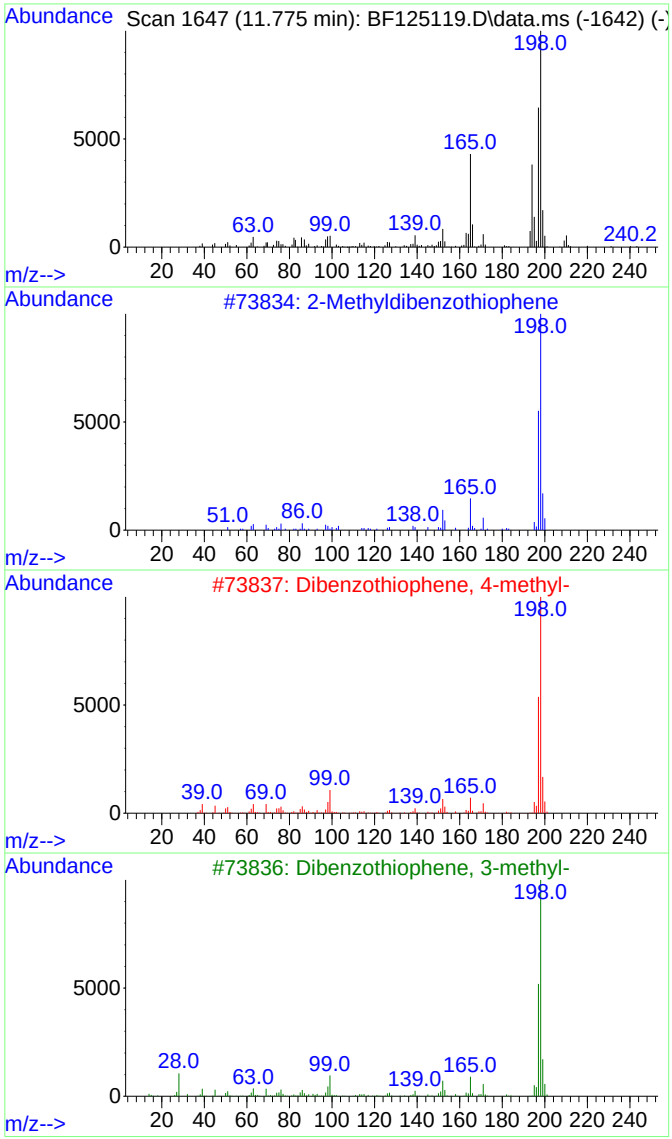
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

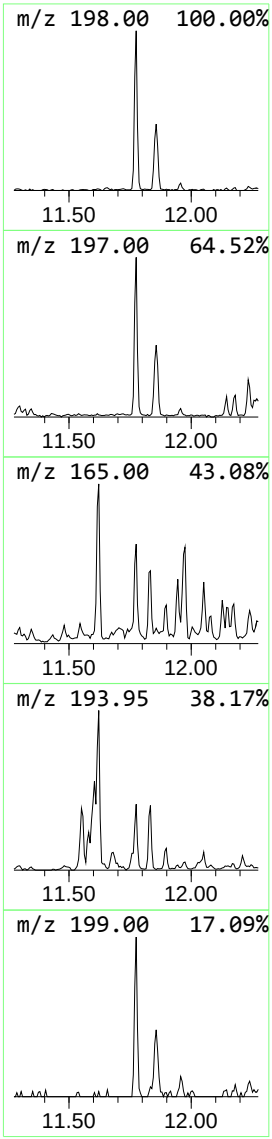
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 2-Methyldibenzothiophene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.775	5.53 ng	428291	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyldibenzothiophene	198	C13H10S	1000383-55-1	81
2	Dibenzothiophene, 4-methyl-	198	C13H10S	007372-88-5	60
3	Dibenzothiophene, 3-methyl-	198	C13H10S	016587-52-3	53
4	1-Methyldibenzothiophene	198	C13H10S	031317-07-4	50
5	Tacrine	198	C13H14N2	000321-64-2	46





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Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

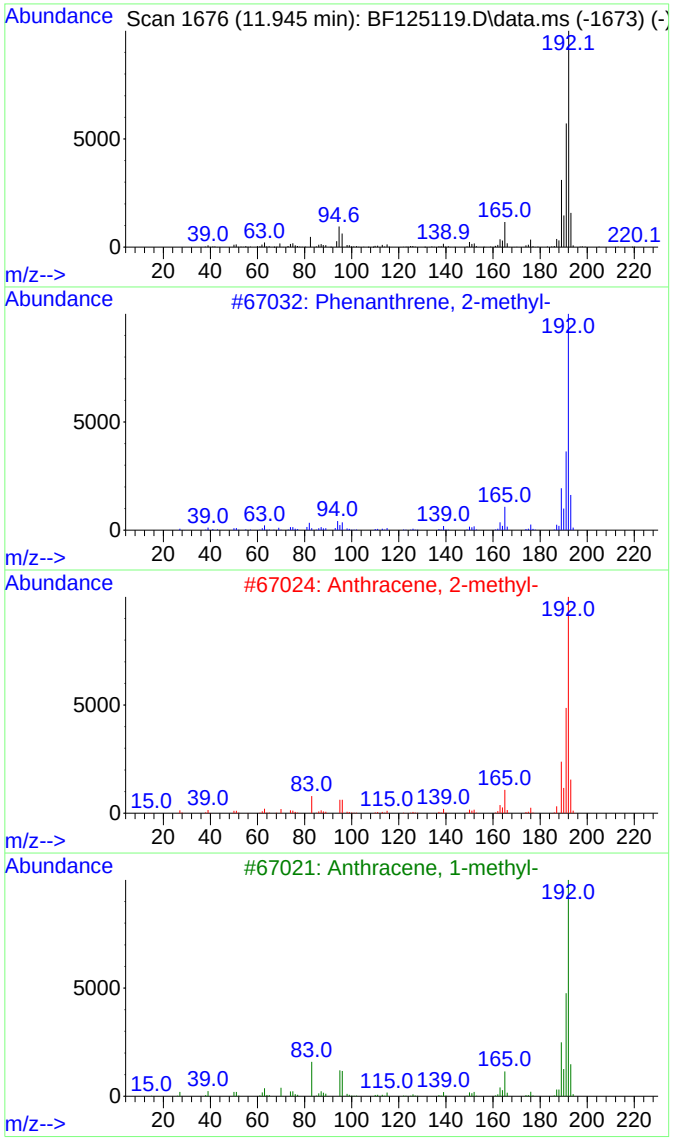
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

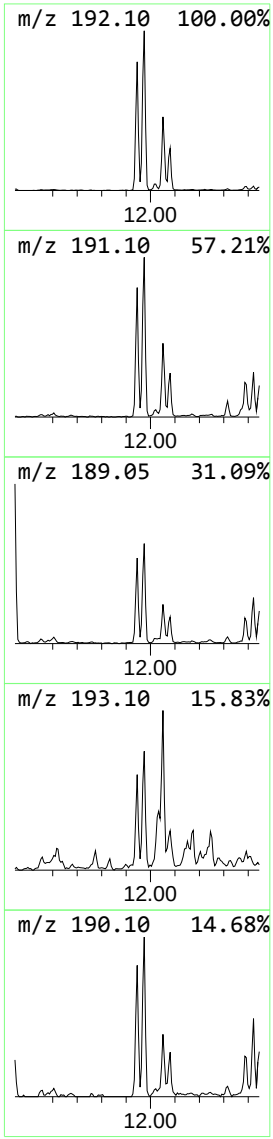
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.945	6.79 ng	525480	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	95
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	95
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	91
4	Anthracene, 9-methyl-	192	C15H12	000779-02-2	87
5	Phenanthrene, 3-methyl-	192	C15H12	000832-71-3	87





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Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
TP-0-5-COMP

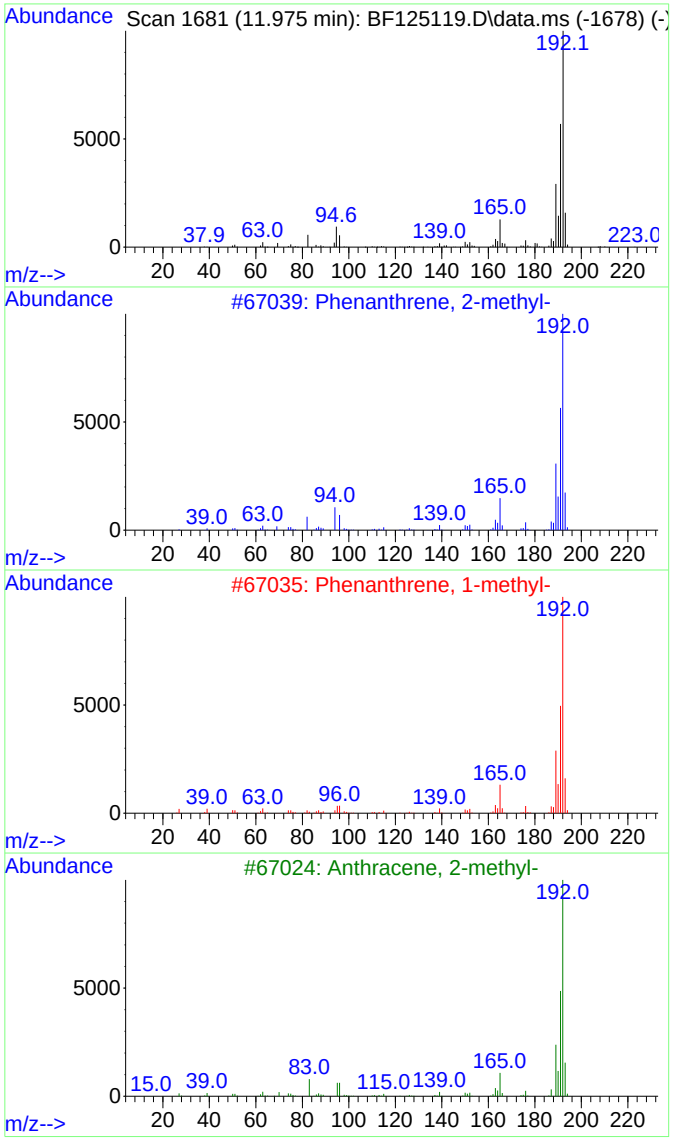
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

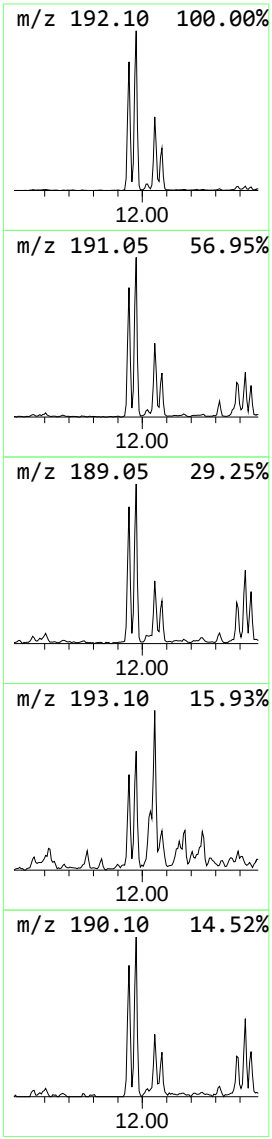
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Phenanthrene, 1-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.975	10.22 ng	790873	Phenanthrene-d10	11.445

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	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	96
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	94





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Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

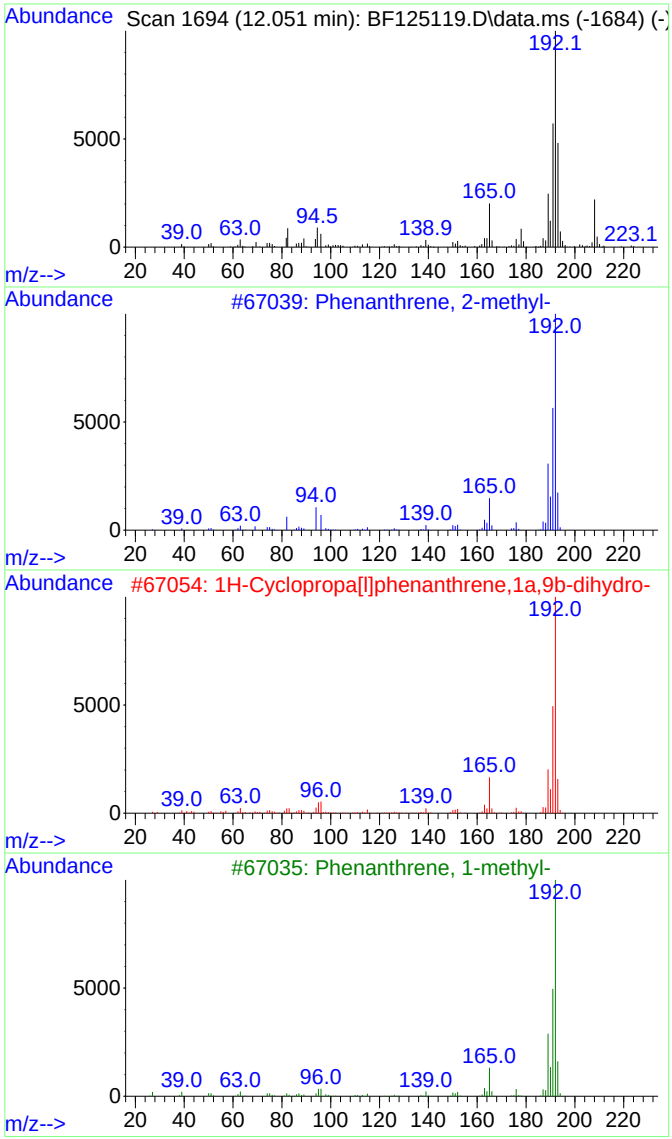
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

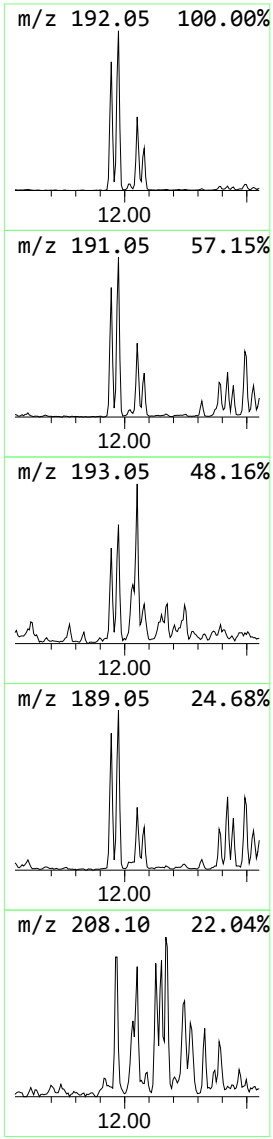
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 1H-Cyclopropa[l]phenanthren... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.051	6.60 ng	510445	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	93
2	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	93
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	91
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	90
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	83





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Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

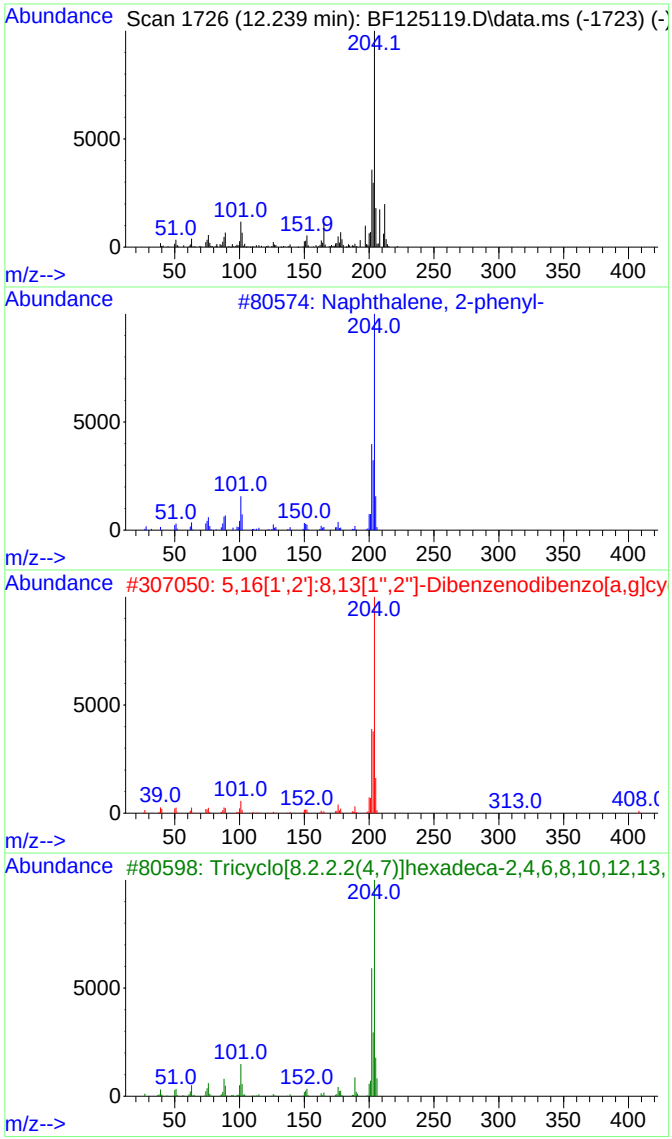
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

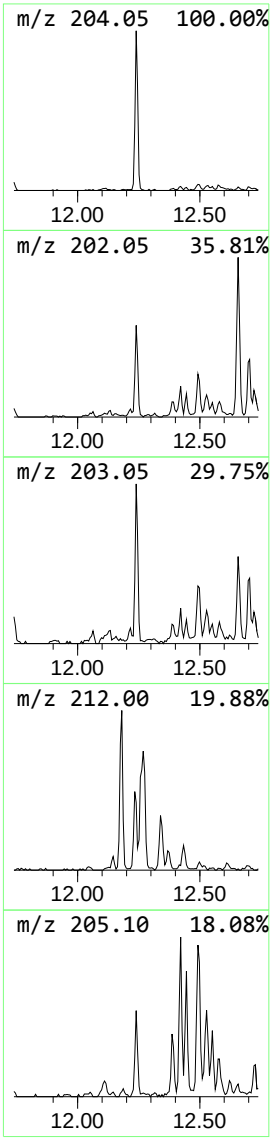
****

Peak Number 12 Naphthalene, 2-phenyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.239	4.19 ng	324078	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2-phenyl-	204	C16H12	000612-94-2	90
2	5,16[1',2']:8,13[1'',2'']-Dibenz...	408	C32H24	005672-97-9	58
3	Tricyclo[8.2.2.2(4,7)]hexadeca-2...	204	C16H12	006572-60-7	53
4	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	46
5	Naphthalene, 1-phenyl-	204	C16H12	000605-02-7	45





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Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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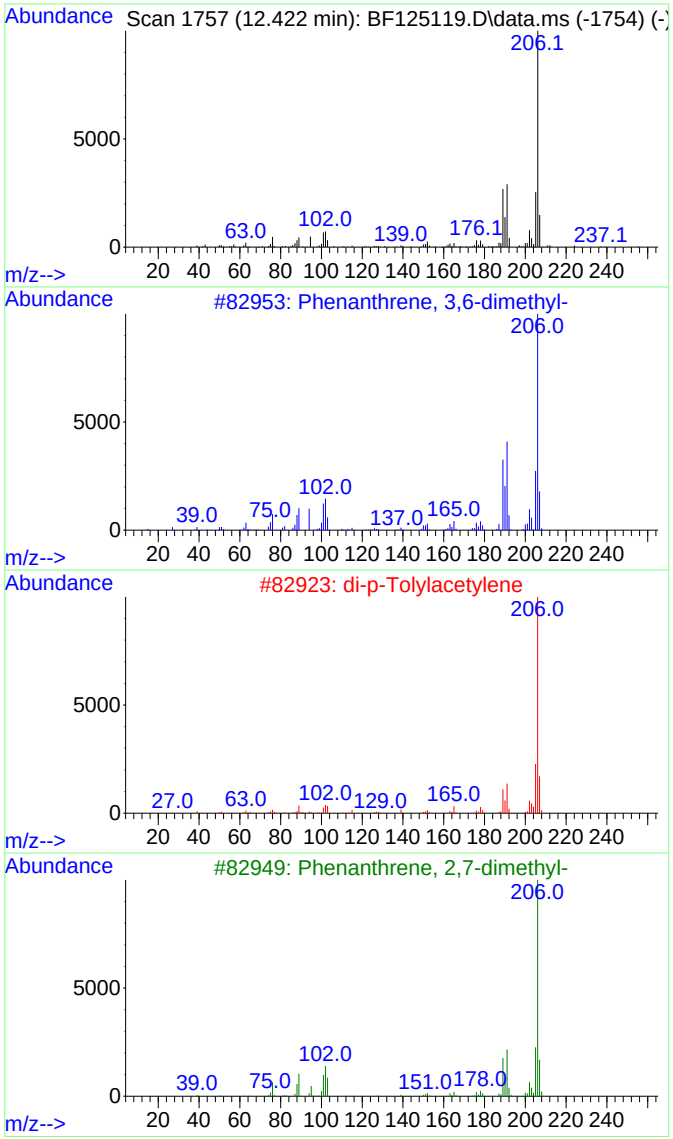
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

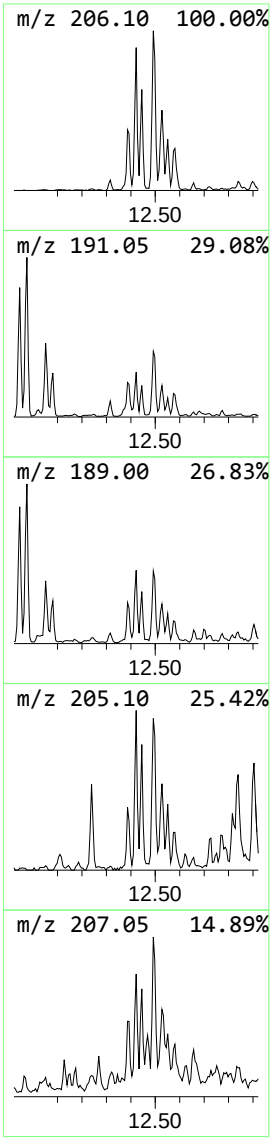
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 Phenanthrene, 3,6-dimethyl- Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.422	3.97 ng	307122	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	97
2	di-p-Tolylacetylene	206	C16H14	002789-88-0	94
3	Phenanthrene, 2,7-dimethyl-	206	C16H14	001576-69-8	91
4	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	87
5	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	78





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Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

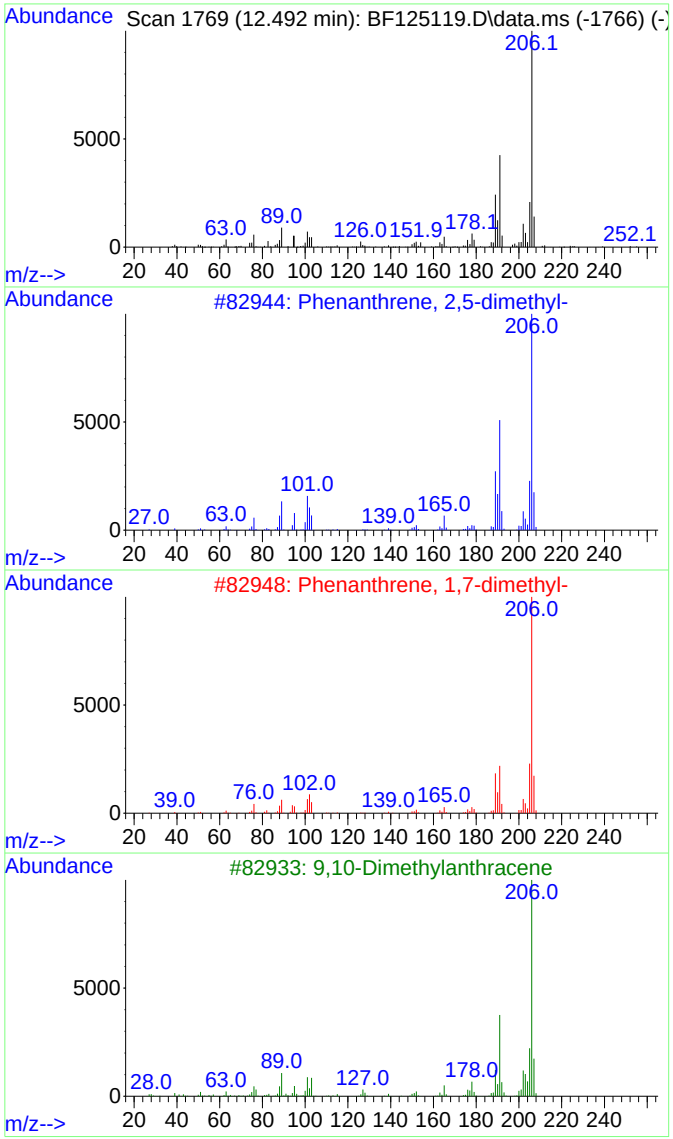
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

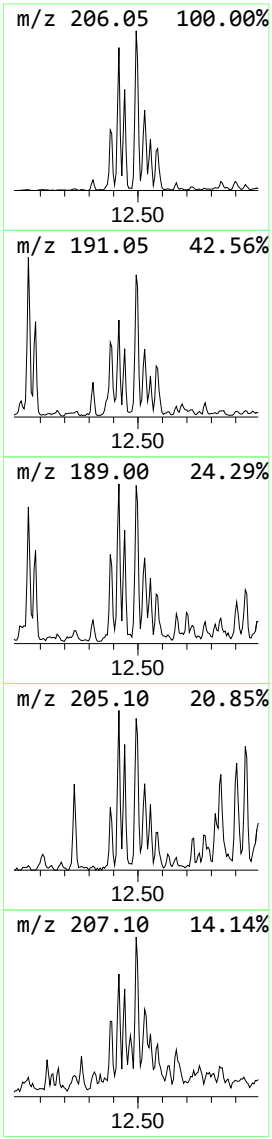
****

Peak Number 14 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	6.26 ng	484503	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	95
2	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	91
4	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	90
5	3,4-Dimethylphenanthrene	206	C16H14	1000452-24-5	80





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Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

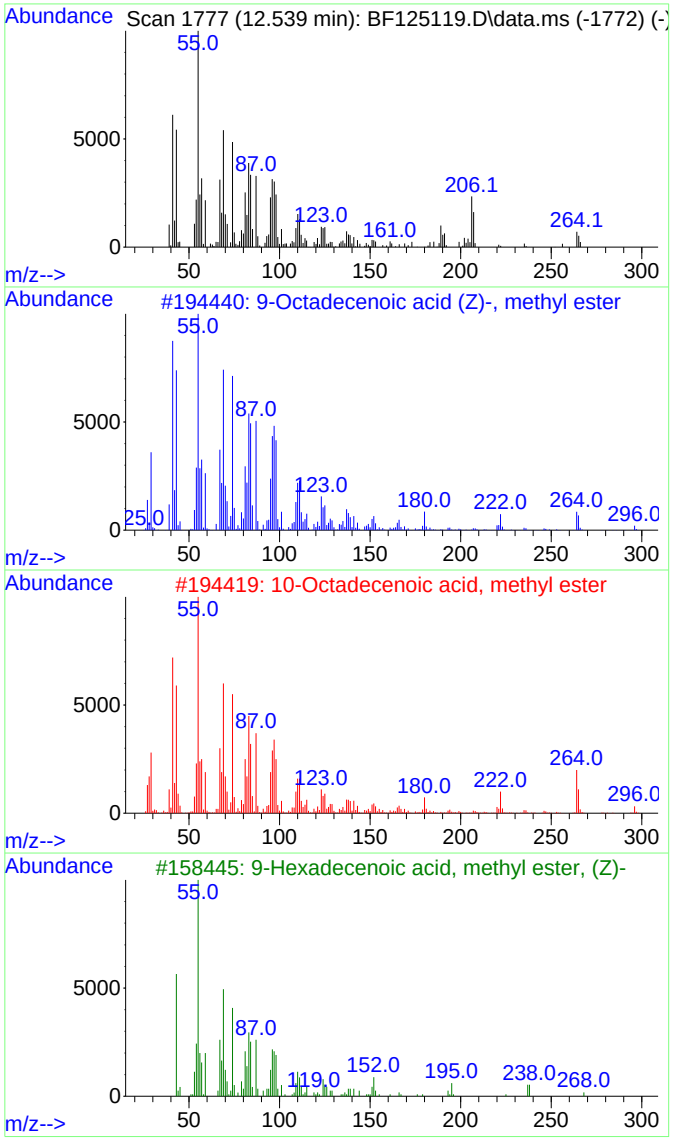
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

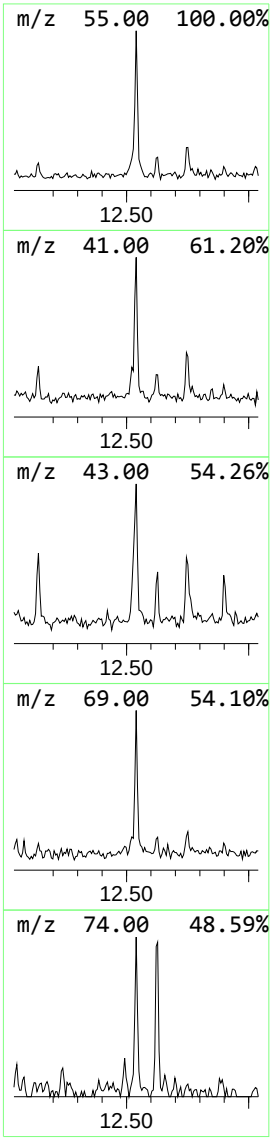
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 15 9-Octadecenoic acid (Z)-, m... Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.539	7.32 ng	566332	Phenanthrene-d10	11.445

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	93
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	93
3	9-Hexadecenoic acid, methyl este...	268	C17H32O2	001120-25-8	83
4	Methyl (Z)-10-pentadecenoate	254	C16H30O2	1000426-92-2	81
5	7-Hexadecenoic acid, methyl este...	268	C17H32O2	056875-67-3	81





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Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

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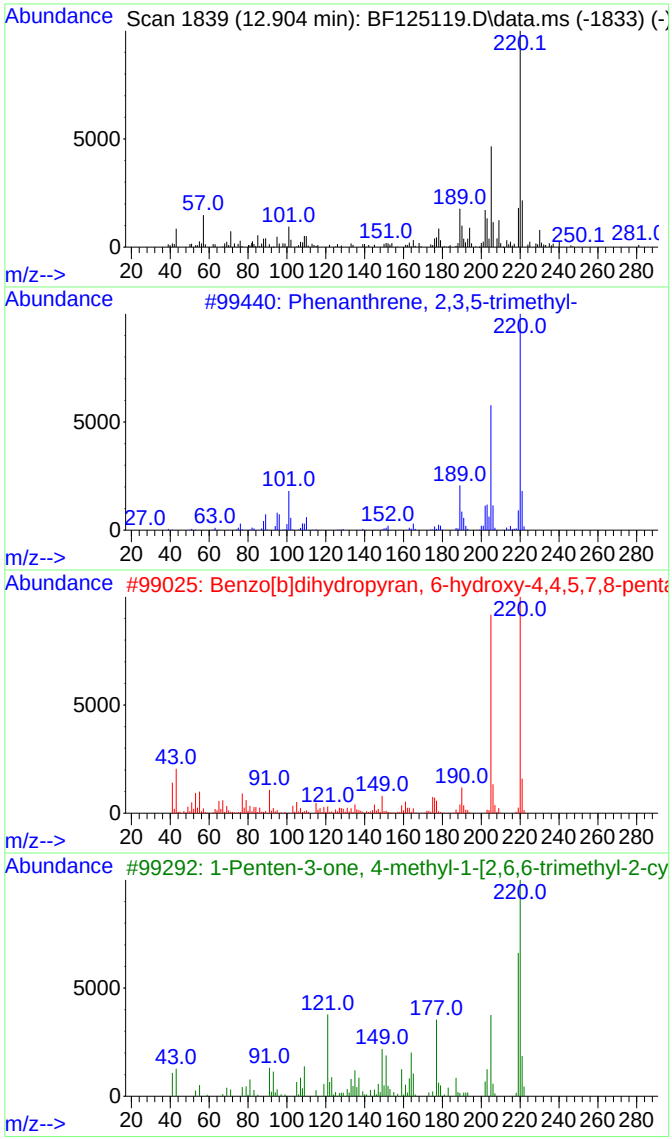
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

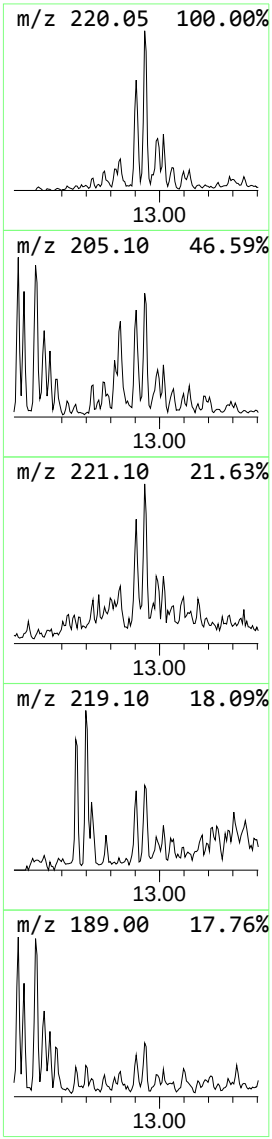
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 16 Phenanthrene, 2,3,5-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.904	4.79 ng	276328	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,3,5-trimethyl-	220	C17H16	003674-73-5	91
2	Benzo[b]dihydropyran, 6-hydroxy-...	220	C14H20O2	050442-70-1	59
3	1-Penten-3-one, 4-methyl-1-[2,6,...	220	C15H24O	1000132-20-9	58
4	Phenylmethylcyanide, .alpha.,.al...	220	C11H12N2O3	1000129-53-0	53
5	2,5-di-tert-Butyl-1,4-benzoquinone	220	C14H20O2	002460-77-7	53





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Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

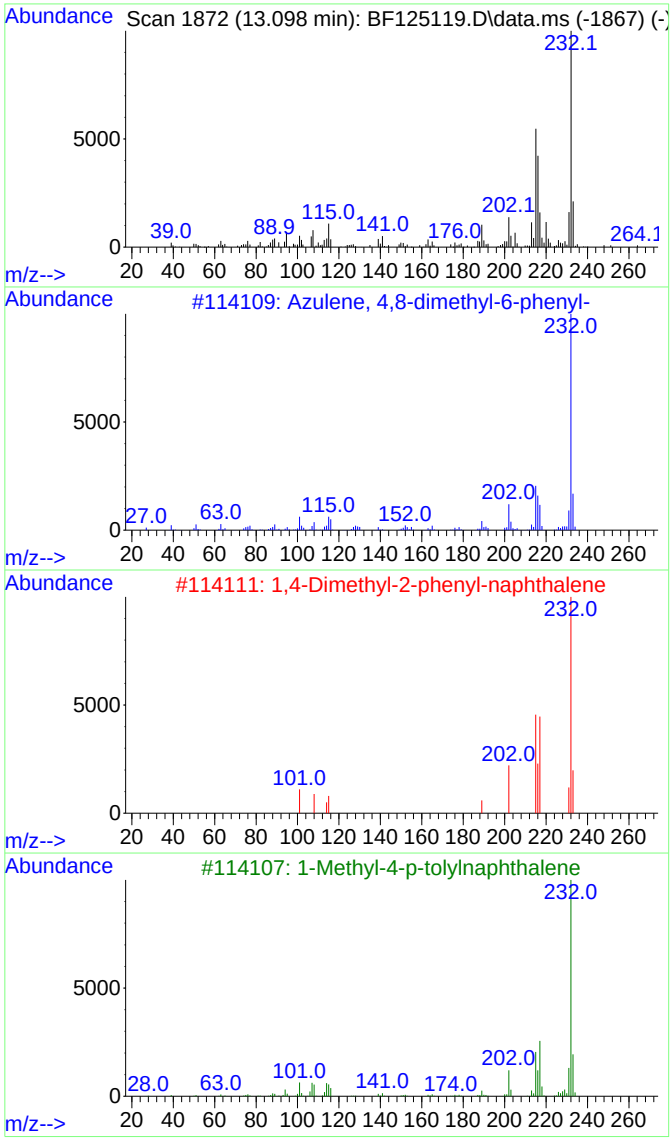
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

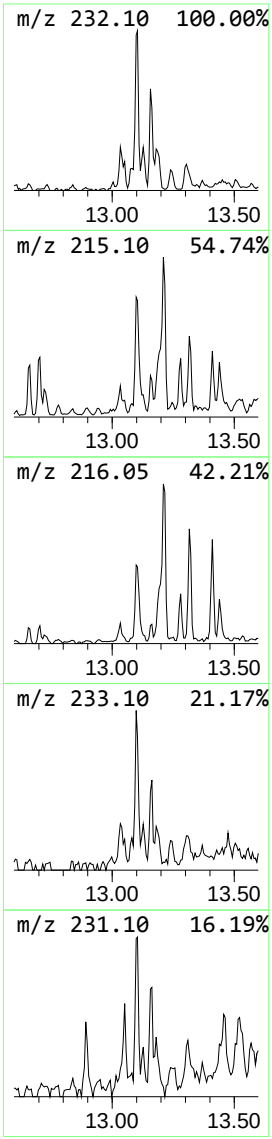
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Azulene, 4,8-dimethyl-6-phe... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.098	4.34 ng	250762	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	62
2	1,4-Dimethyl-2-phenyl-naphthalene	232	C18H16	051036-91-0	53
3	1-Methyl-4-p-tolylnaphthalene	232	C18H16	093870-57-6	50
4	1-benzyl-3-methylnaphthalene	232	C18H16	1000379-93-5	49
5	1,4-Dimethyl-5-phenyl-naphthalene	232	C18H16	051036-92-1	47





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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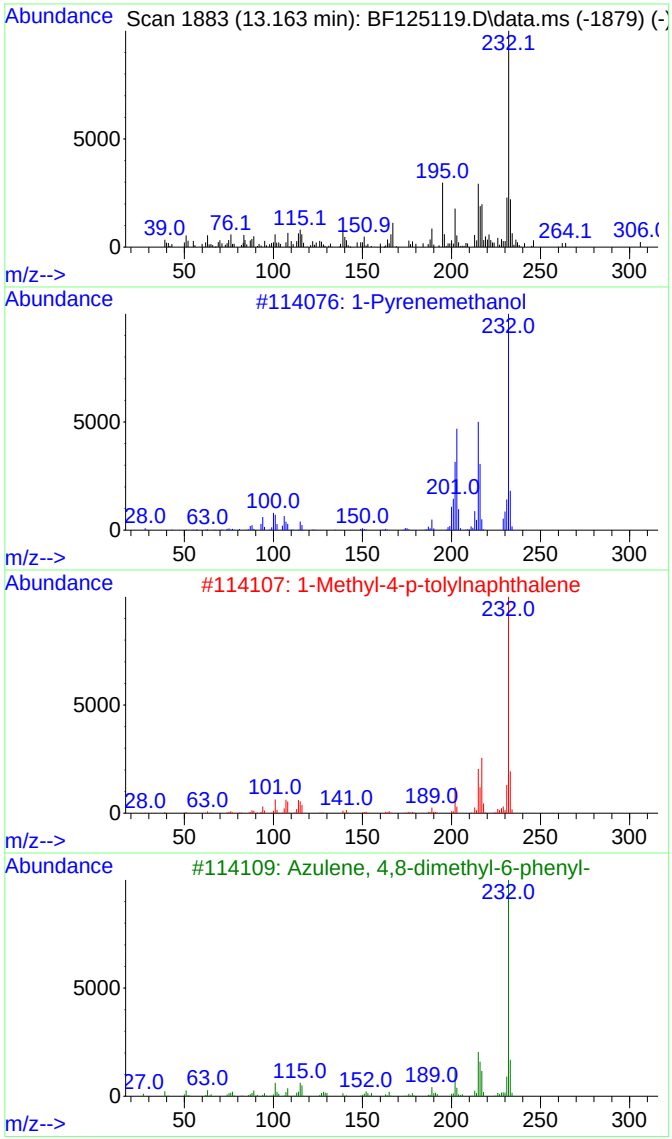
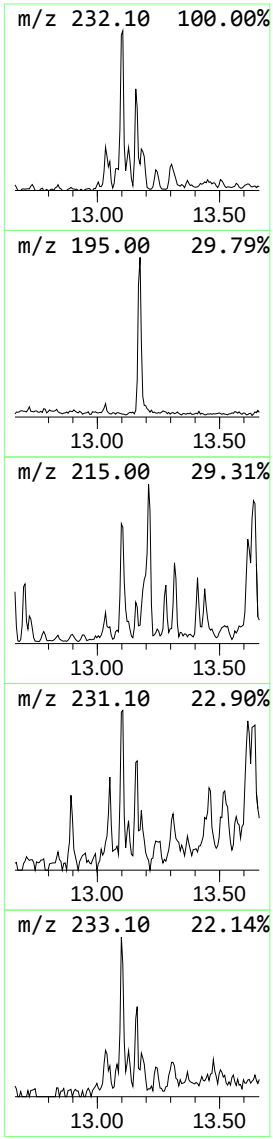
Peak Number 18 1-Pyrenemethanol Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.163	4.00 ng	231097	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Pyrenemethanol	232	C17H12O	024463-15-8	70
2	1-Methyl-4-p-tolylnaphthalene	232	C18H16	093870-57-6	70
3	Azulene, 4,8-dimethyl-6-phenyl-	232	C18H16	042758-88-3	64
4	1,3-dimethyl-2-phenyl-naphthalene	232	C18H16	1000379-93-4	59
5	1,2,3,4-Tetrahydrobenz[a]anthracene	232	C18H16	004483-98-1	56





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Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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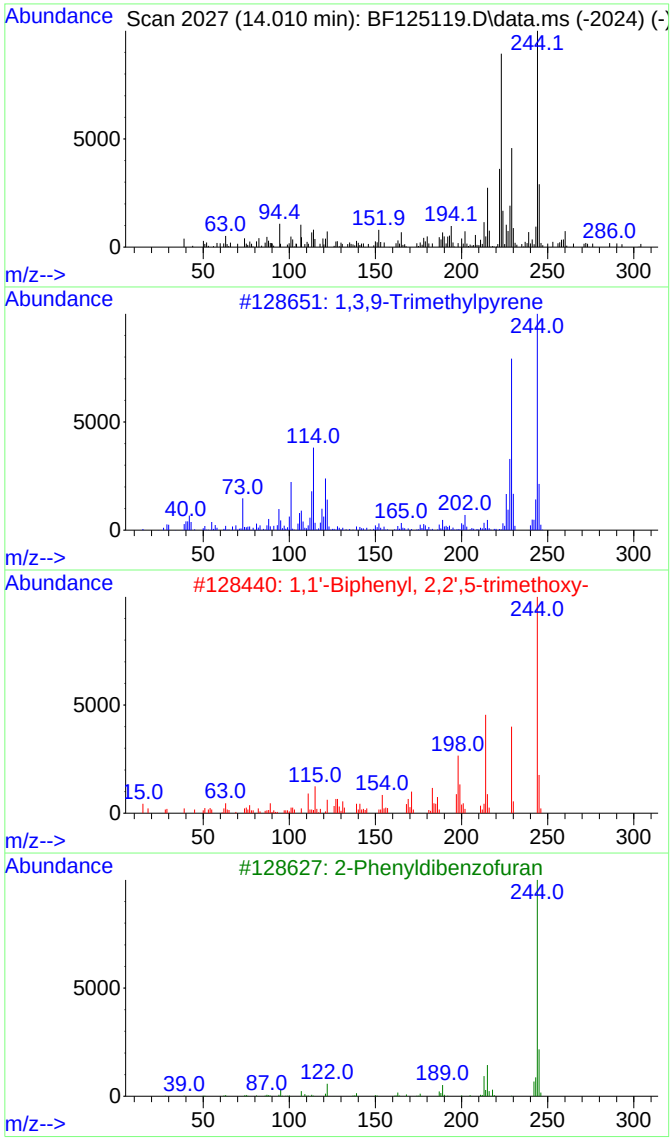
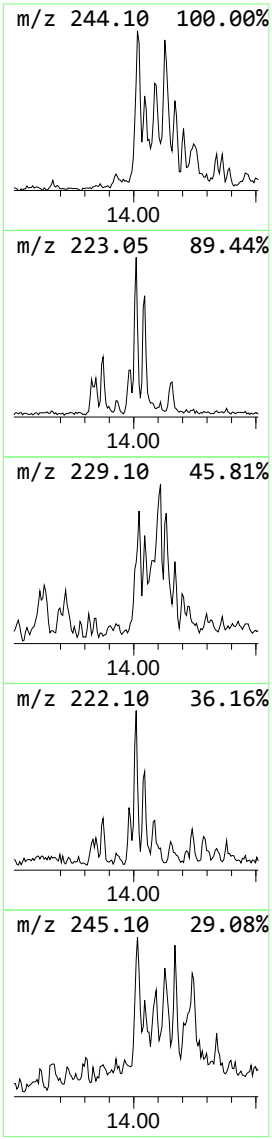
Peak Number 19 1,3,9-Trimethylpyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.010	4.21 ng	243140	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1,3,9-Trimethylpyrene	244	C19H16	1000452-24-0	50
2	1,1'-Biphenyl, 2,2',5-trimethoxy-	244	C15H16O3	019718-53-7	38
3	2-Phenyldibenzofuran	244	C18H12O	078210-31-8	38
4	1-Phenyldibenzofuran	244	C18H12O	1000314-39-4	38
5	1,4,6-Trimethyl-2-azafluorenone	223	C15H13NO	069649-05-4	38





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Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TP-0-5-COMP

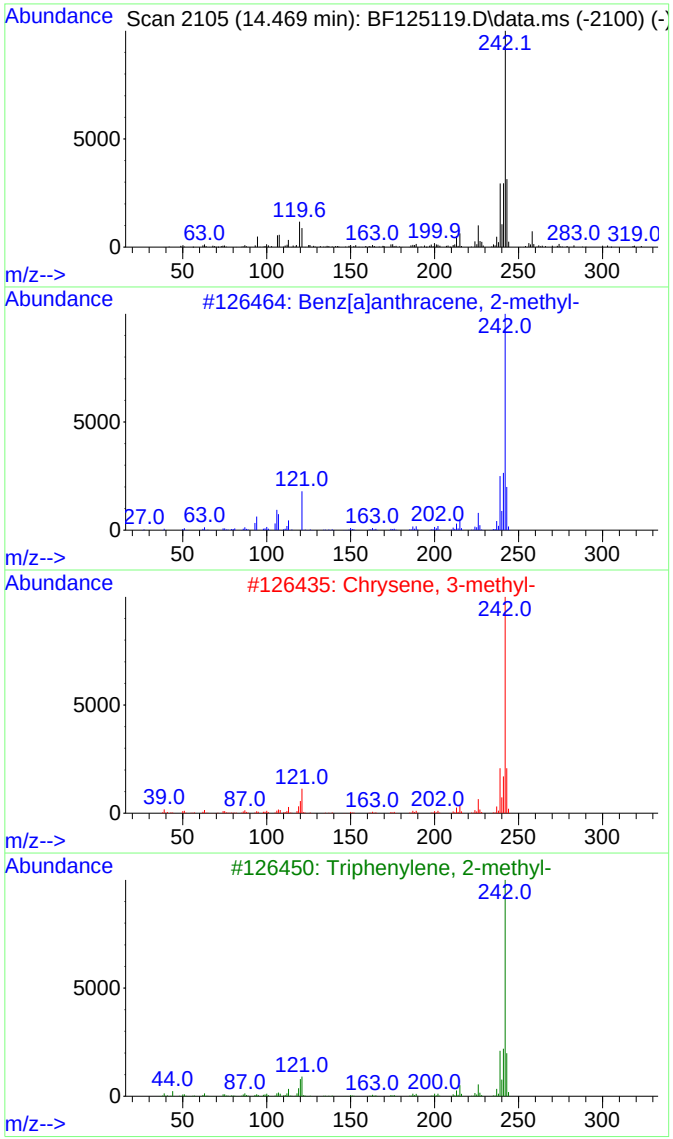
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

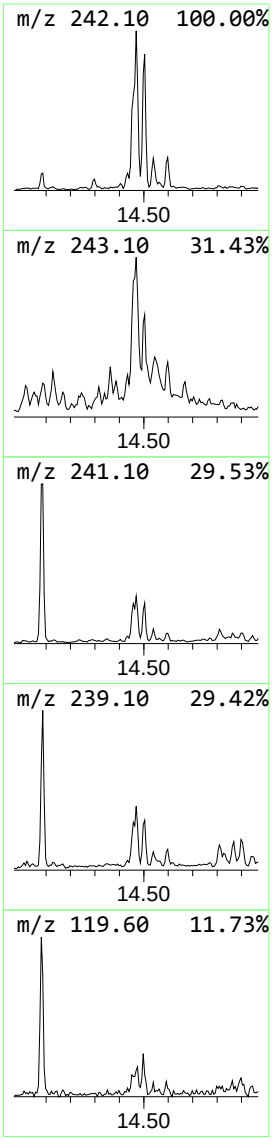
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 20 Benz[a]anthracene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.469	5.66 ng	326567	Chrysene-d12	14.086

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	96
2	Chrysene, 3-methyl-	242	C19H14	003351-31-3	89
3	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	89
4	2-Methylchrysene	242	C19H14	003351-32-4	86
5	Chrysene, 1-methyl-	242	C19H14	003351-28-8	86





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF081921\
Data File : BF125119.D
Acq On : 19 Aug 2021 17:45
Operator : JU/CG
Sample : M3451-01
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TP-0-5-COMP

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.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
Butane, 2-metho...	2.216	30.7	ng	1683260	1	6.916	1095630	20.0
unknown5.146	5.146	5.3	ng	290842	1	6.916	1095630	20.0
Cyclohexane, 1,...	6.457	3.7	ng	204705	1	6.916	1095630	20.0
Ethanol, 2-(2-b...	8.098	8.9	ng	587661	2	8.198	1324090	20.0
Naphthalene, 1,...	9.610	3.8	ng	280636	3	9.957	1498680	20.0
9H-Fluoren-9-one	11.245	3.7	ng	287920	4	11.445	1547770	20.0
Anthrone	11.616	5.7	ng	441977	4	11.445	1547770	20.0
2-Methyldibenzo...	11.775	5.5	ng	428291	4	11.445	1547770	20.0
Phenanthrene, 2...	11.945	6.8	ng	525480	4	11.445	1547770	20.0
Phenanthrene, 1...	11.975	10.2	ng	790873	4	11.445	1547770	20.0
1H-Cyclopropa[l...	12.051	6.6	ng	510445	4	11.445	1547770	20.0
Naphthalene, 2-...	12.239	4.2	ng	324078	4	11.445	1547770	20.0
Phenanthrene, 3...	12.422	4.0	ng	307122	4	11.445	1547770	20.0
Phenanthrene, 2...	12.492	6.3	ng	484503	4	11.445	1547770	20.0
9-Octadecenoic ...	12.539	7.3	ng	566332	4	11.445	1547770	20.0
Phenanthrene, 2...	12.904	4.8	ng	276328	5	14.086	1154450	20.0
Azulene, 4,8-di...	13.098	4.3	ng	250762	5	14.086	1154450	20.0
1-Pyrenemethanol	13.163	4.0	ng	231097	5	14.086	1154450	20.0
1,3,9-Trimethyl...	14.010	4.2	ng	243140	5	14.086	1154450	20.0
Benz[a]anthrace...	14.469	5.7	ng	326567	5	14.086	1154450	20.0