LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-8-(309.00)

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: BF125218.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.222	17	23	29	rVB	1086287	1363543	24.21%	1.680%
2	2.575	72	83	90	rVB	48047	114469	2.03%	0.141%
3	4.522	410	414	420	rBV	436885	501454	8.90%	0.618%
4	5.139	514	519	525	rVB2	191405	227663	4.04%	0.280%
5	5.534	577	586	589	rBV	4310356	4135075	73.43%	5.093%
6	6.533	750	756	764	rBV	3870907	3970284	70.51%	4.890%
7	6.739	788	791	795	rBV2	108851	124377	2.21%	0.153%
8	6.916	817	821	824	rVB	1607155	1327081	23.57%	1.635%
9	7.175	861	865	870	rBV	115177	127060	2.26%	0.157%
10	7.475	911	916	919	rBV	3268640	2752176	48.87%	3.390%
11	8.092	1018	1021	1033	rBV	1318554	1656810	29.42%	2.041%
12	8.198	1035	1039	1041	rVV	1870411	1730468	30.73%	2.131%
13	8.216	1041	1042	1046	rVB	347479	207447	3.68%	0.256%
14	8.904	1157	1159	1163	rVV	325764	275058	4.88%	0.339%
15	9.269	1217	1221	1224	rBV	4727227	3845049	68.28%	4.736%
16	9.369	1236	1238	1243	rVB2	117992	119181	2.12%	0.147%
17	9.527	1262	1265	1270	rVB	100435	117204	2.08%	0.144%
18	9.657	1285	1287	1293	rBV	163772	177760	3.16%	0.219%
19	9.810	1308	1313	1317	rBV	525653	438646	7.79%	0.540%
20	9.951	1333	1337	1340	rVV	1912041	1595770	28.34%	1.966%
21	9.980	1340	1342	1345	rVB	234764	182473	3.24%	0.225%
22	10.151	1367	1371	1375	rVV	424437	384383	6.83%	0.473%
23	10.498	1426	1430	1435	rVB	188265	206770	3.67%	0.255%
24	10.733	1467	1470	1474	rVB	2287290	2137184	37.95%	2.632%
25	10.863	1487	1492	1498	rVB2	205657	261319	4.64%	0.322%
26	11.239	1553	1556	1560	rVB	355808	284729	5.06%	0.351%
27	11.292	1560	1565	1567	rBV3	97958	115072	2.04%	0.142%
28	11.333	1567	1572	1576	rVB2	128512	167741	2.98%	0.207%
29	11.439	1586	1590	1592	rBV	1644330	1534174	27.24%	1.890%
30	11.457	1592	1593	1597	rVV	774187	603163	10.71%	0.743%
31	11.510	1599	1602	1605	rVV	772948	636063	11.30%	0.783%
32	11.663	1623	1628	1635	rVV	399437	455088	8.08%	0.561%
33	11.721	1635	1638	1643	rVV3	88453	116786	2.07%	0.144%
34	11.821	1652	1655	1658	rVB3	222809	182727	3.24%	0.225%
35	11.957	1672	1678	1683	rBV2	510956	778029	13.82%	0.958%
36	12.004	1683	1686	1690	rVB3	167456	202779	3.60%	0.250%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-8-(309.00)

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	12.051	1690	1694	1696	rBV2	218367	238860	4.24%	0.294%
38	12.133	1702	1708	1712	rBV5	124233	267687	4.75%	0.330%
39	12.168	1712	1714	1717	rVV2	117466	113013	2.01%	0.139%
40	12.233	1720	1725	1727	rVV2	209305	231927	4.12%	0.286%
41	12.257	1727	1729	1733	rVB	456314	339331	6.03%	0.418%
42	12.380	1745	1750	1753	rBV3	110019	133884	2.38%	0.165%
43	12.410	1753	1755	1758	rVV	171296	133082	2.36%	0.164%
44	12.492	1765	1769	1771	rVV	273276	273986	4.87%	0.337%
45	12.527	1771	1775	1780	rVB2	169391	235065	4.17%	0.290%
46	12.574	1780	1783	1788	rVB	397481	344199	6.11%	0.424%
47	12.651	1792	1796	1800	rBV	3050216	2733832	48.55%	3.367%
48	12.739	1809	1811	1815	rBV2	289569	282291	5.01%	0.348%
49	12.804	1815	1822	1829	rVB5	110590	323389	5.74%	0.398%
50	12.880	1829	1835	1841	rBV2	2606382	3019558	53.62%	3.719%
51	12.927	1841	1843	1848	rVB2	147025	191165	3.39%	0.235%
52	13.021	1852	1859	1865	rVB2	2969489	3190791	56.66%	3.930%
53	13.098	1868	1872	1875	rBV3	285725	412293	7.32%	0.508%
54	13.180	1883	1886	1889	rVV4	240183	393544	6.99%	0.485%
55	13.239	1893	1896	1899	rBV2	118825	151360	2.69%	0.186%
56	13.274	1899	1902	1904	rBV	222571	162586	2.89%	0.200%
57	13.310	1904	1908	1911	rBV2	436232	479368	8.51%	0.590%
58	13.339	1911	1913	1915	rVB	149870	110016	1.95%	0.136%
59	13.404	1921	1924	1927	rBV	325989	293003	5.20%	0.361%
60	13.433	1927	1929	1933	rBV2	208274	212753	3.78%	0.262%
61	13.586	1952	1955	1958	rVV4	174071	264968	4.71%	0.326%
62	13.615	1958	1960	1961	rVV2	182868	164357	2.92%	0.202%
63	13.633	1961	1963	1965	rVV2	234922	214455	3.81%	0.264%
64	13.686	1970	1972	1974	rBV2	102602	118513	2.10%	0.146%
65	13.715	1974	1977	1982	rVB2	660972	778455	13.82%	0.959%
66	13.780	1986	1988	1991	rVB	152004	120706	2.14%	0.149%
67	13.827	1991	1996	1999	rBV3	542909	771044	13.69%	0.950%
68	13.857	1999	2001	2003	rVV	386683	358995	6.38%	0.442%
69	13.880	2003	2005	2009	rVV2	586904	569717	10.12%	0.702%
70	13.921	2009	2012	2015	rVB2	537929	440265	7.82%	0.542%
71	13.968	2017	2020	2022	rBV	292259	254107	4.51%	0.313%
72	14.051	2031	2034	2035	rBV	421635	411713	7.31%	0.507%
73	14.074	2035	2038	2042	rVV2	2088550	3737065	66.36%	4.603%
74	14.109	2042	2044	2049	rVB	2096477	1893021	33.62%	2.332%
75	14.186	2055	2057	2059	rBV	312926	295445	5.25%	0.364%
76	14.204	2059	2060	2064	rVB2	247918	196314	3.49%	0.242%

LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-8-(309.00)

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	14.292	2073	2075	2080	rBV2	264587	338866	6.02%	0.417%
78	14.339	2080	2083	2085	rBV2	217169	198999	3.53%	0.245%
79	14.433	2096	2099	2100	rBV2	181356	184019	3.27%	0.227%
80	14.468	2100	2105	2108	rVV	554256	780407	13.86%	0.961%
81	14.504	2108	2111	2114	rVV2	736603	696605	12.37%	0.858%
82	14.592	2123	2126	2128	rBV	502940	487102	8.65%	0.600%
83	14.615	2128	2130	2134	rVB2	336414	306743	5.45%	0.378%
84	14.780	2155	2158	2160	rBV	306655	276962	4.92%	0.341%
85	14.862	2170	2172	2174	rVB3	151051	115325	2.05%	0.142%
86	14.892	2174	2177	2181	rVB2	289517	374528	6.65%	0.461%
87	15.045	2200	2203	2206	rBV3	307788	352794	6.27%	0.435%
88	15.151	2214	2221	2223	rBV	3455519	5631172	100.00%	6.936%
89	15.209	2228	2231	2235	rVV3	340465	531135	9.43%	0.654%
90	15.251	2235	2238	2242	rVB	654035	705000	12.52%	0.868%
91	15.345	2251	2254	2262	rBV3	253157	488795	8.68%	0.602%
92	15.462	2269	2274	2279	rVB	2102542	2885976	51.25%	3.555%
93	15.521	2279	2284	2290	rBV	1529404	1971626	35.01%	2.428%
94	15.586	2290	2295	2298	rBV2	1205831	1721682	30.57%	2.121%
95	15.615	2298	2300	2307	rVB2	504965	721057	12.80%	0.888%
96	16.898	2511	2518	2520	rBV3	174486	392824	6.98%	0.484%
97	17.098	2545	2552	2557	rBV2	802614	1654111	29.37%	2.037%
98	17.156	2557	2562	2573	rVB2	469058	958363	17.02%	1.180%
99	17.339	2588	2593	2597	rVB3	171970	305391	5.42%	0.376%
100	17.556	2623	2630	2638	rVB2	566470	1196622	21.25%	1.474%

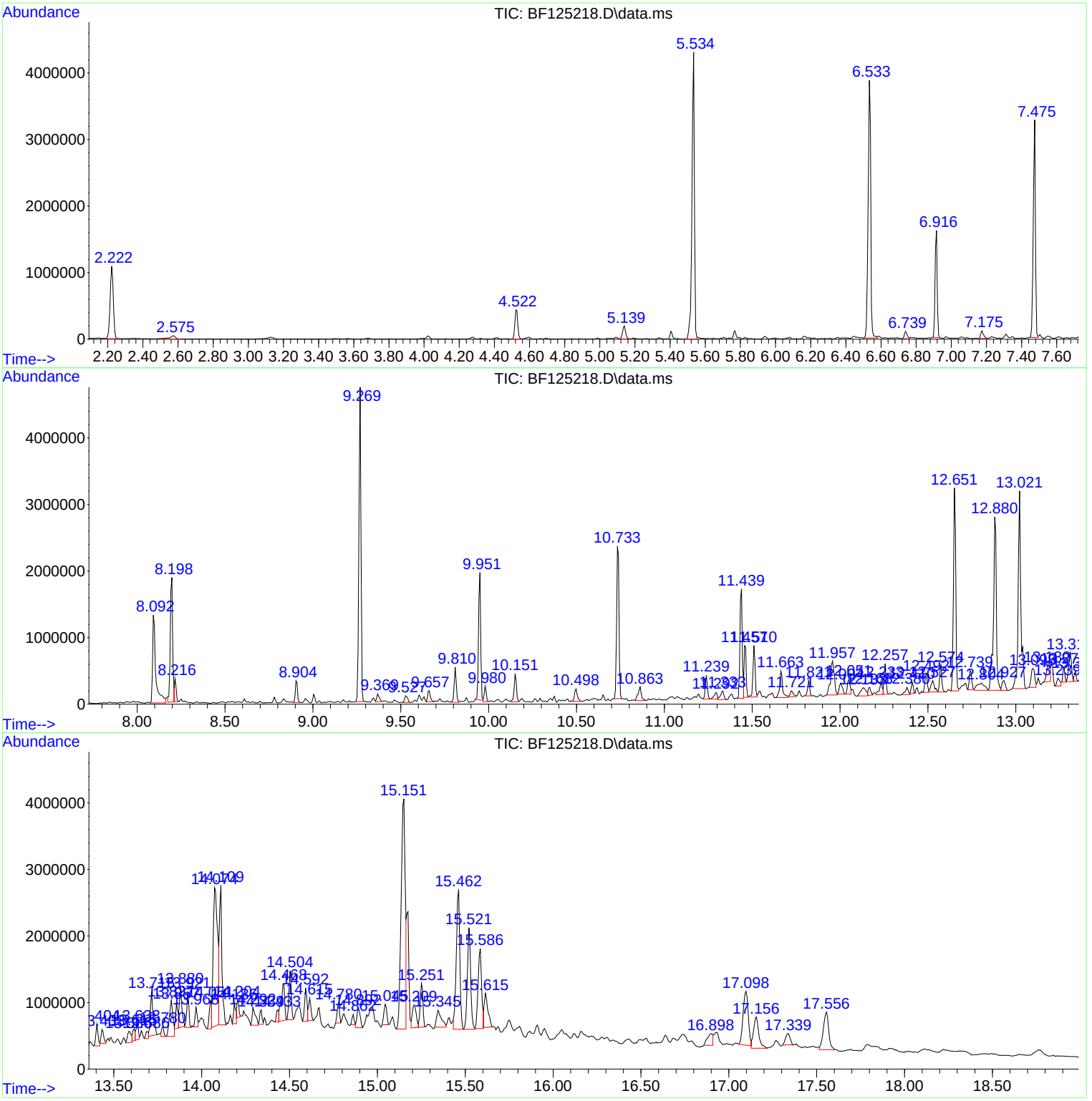
Sum of corrected areas: 81187282

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

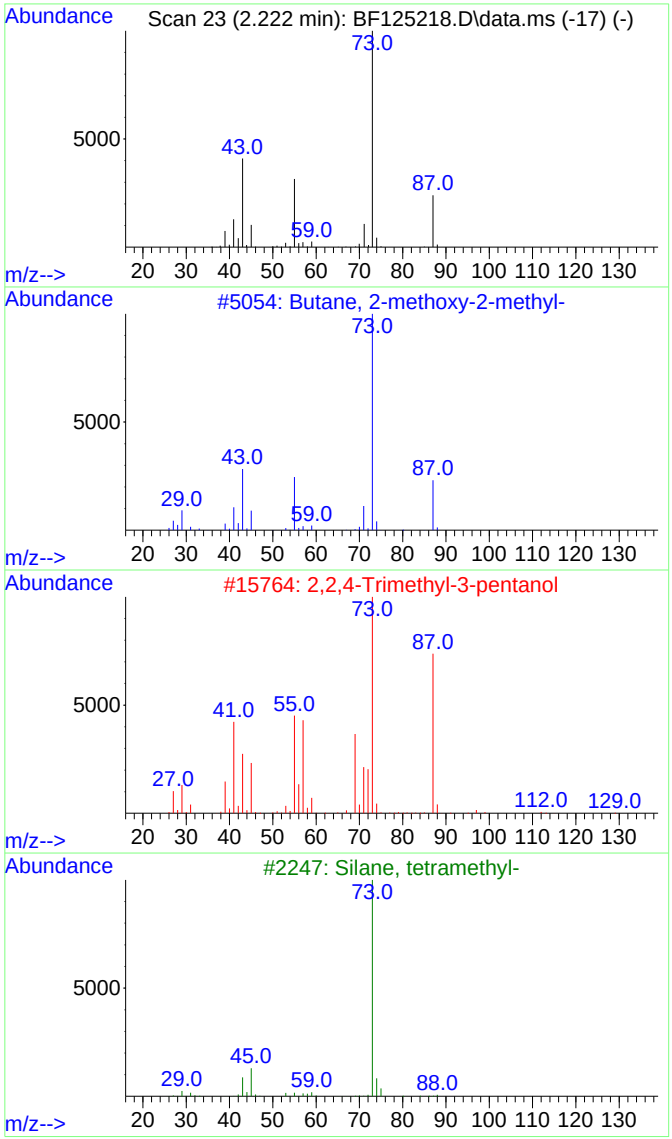
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

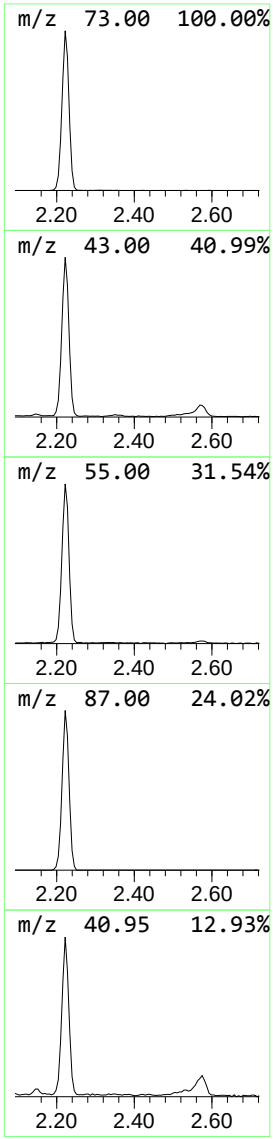
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.222	20.55 ng	1363540	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	2,2,4-Trimethyl-3-pentanol	130	C8H18O	005162-48-1	39
3	Silane, tetramethyl-	88	C4H12Si	000075-76-3	38
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	25
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-8-(309.00)

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

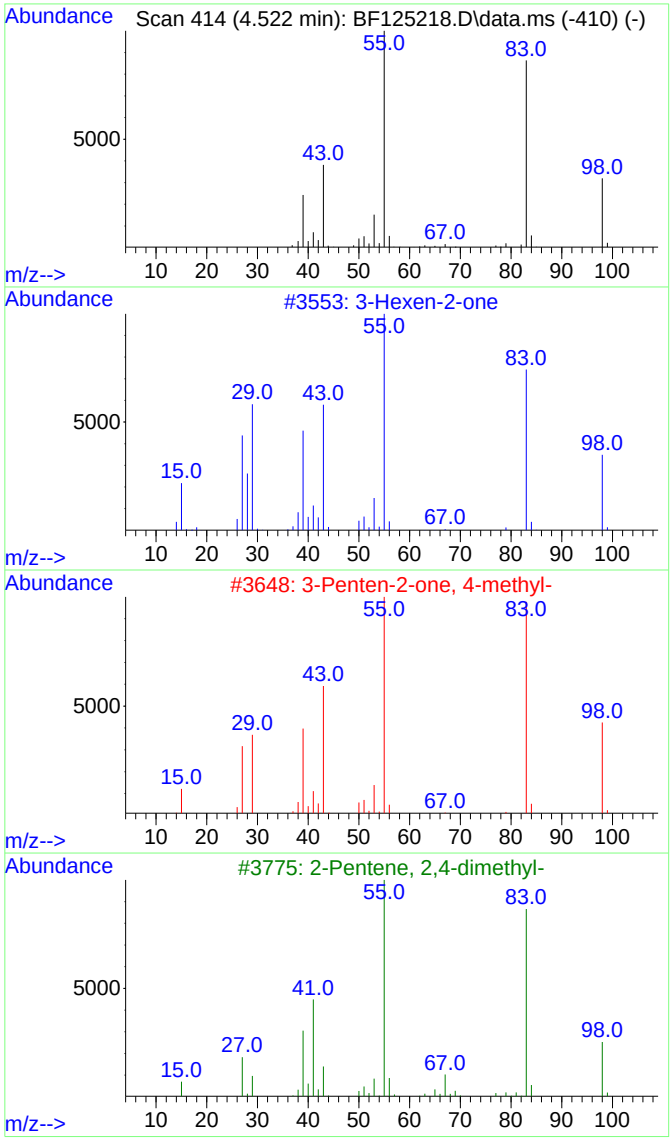
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

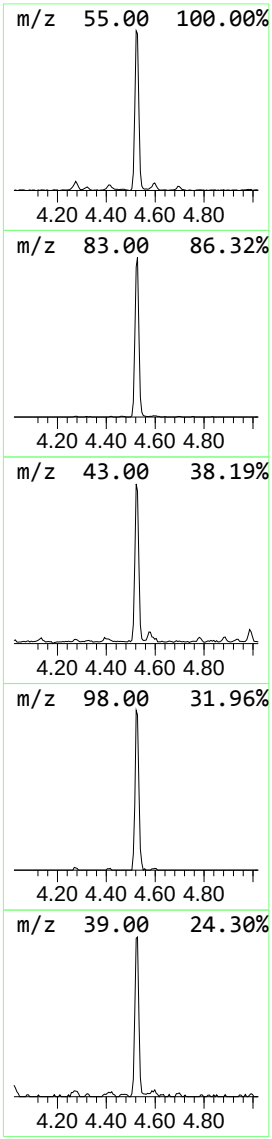
****

Peak Number 2 3-Hexen-2-one Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.522	7.56 ng	501454	1,4-Dichlorobenzene-d4	6.916

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Hexen-2-one	98	C6H10O	000763-93-9	91
2	3-Penten-2-one, 4-methyl-	98	C6H10O	000141-79-7	91
3	2-Pentene, 2,4-dimethyl-	98	C7H14	000625-65-0	86
4	2-Pentene, 4,4-dimethyl-, (E)-	98	C7H14	000690-08-4	86
5	2-Pentene, 3,4-dimethyl-, (E)-	98	C7H14	004914-92-5	83





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-8-(309.00)

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

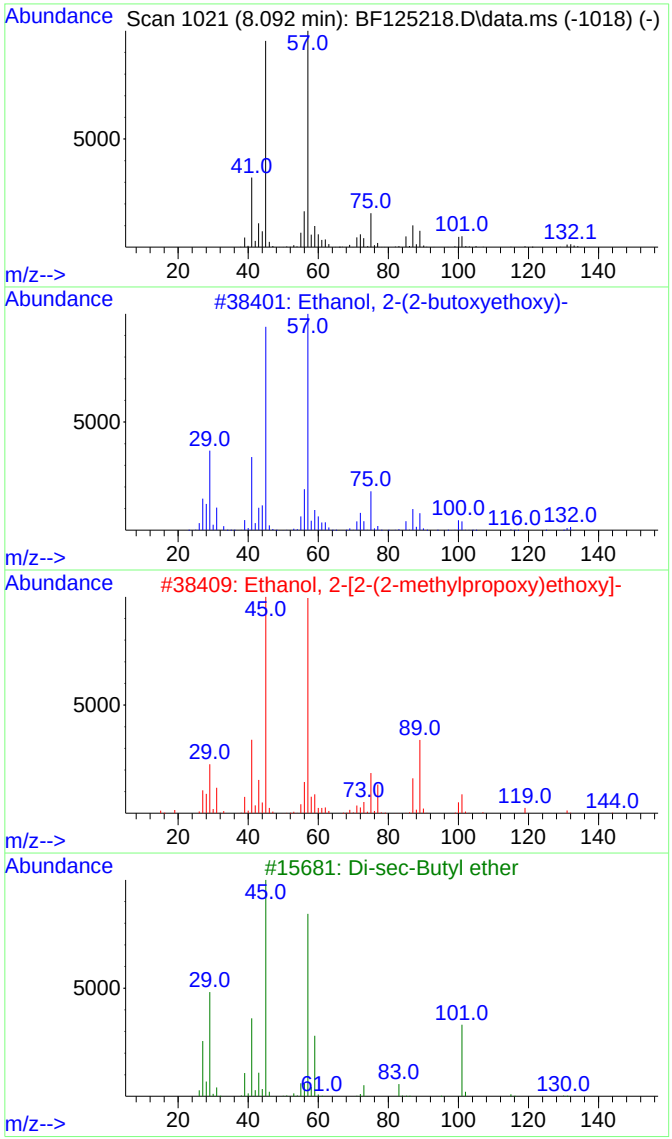
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

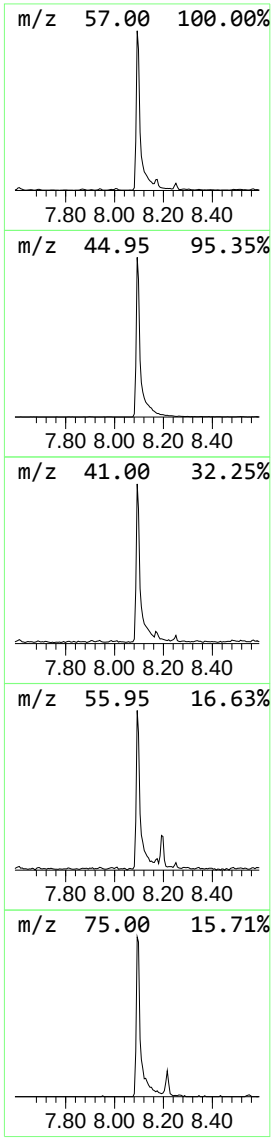
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.092	19.15 ng	1656810	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	Ethanol, 2-[2-(2-methylpropoxy)e...	162	C8H18O3	018912-80-6	56
3	Di-sec-Butyl ether	130	C8H18O	006863-58-7	53
4	3,3-Dimethylbutane-2-ol	102	C6H14O	000464-07-3	53
5	Pentaethylene glycol	238	C10H22O6	004792-15-8	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

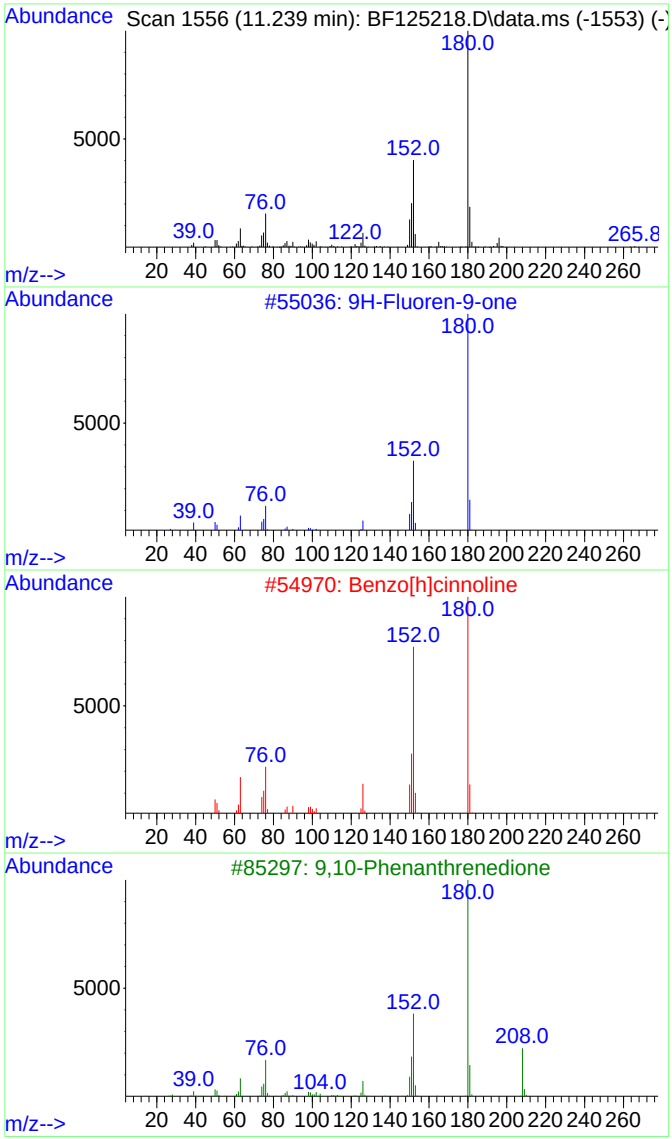
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

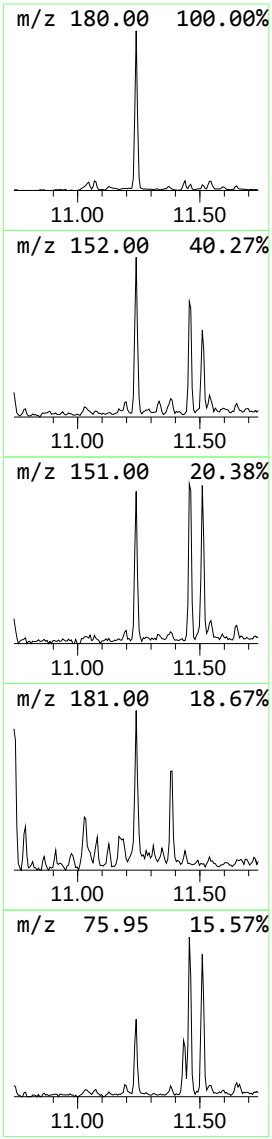
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.239	3.71 ng	284729	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9H-Fluoren-9-one	180	C13H8O	000486-25-9	96
2	Benzo[h]cinnoline	180	C12H8N2	000230-31-9	91
3	9,10-Phenanthrenedione	208	C14H8O2	000084-11-7	91
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	72
5	2,3-Diazaphenanthrene	180	C12H8N2	000229-72-1	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

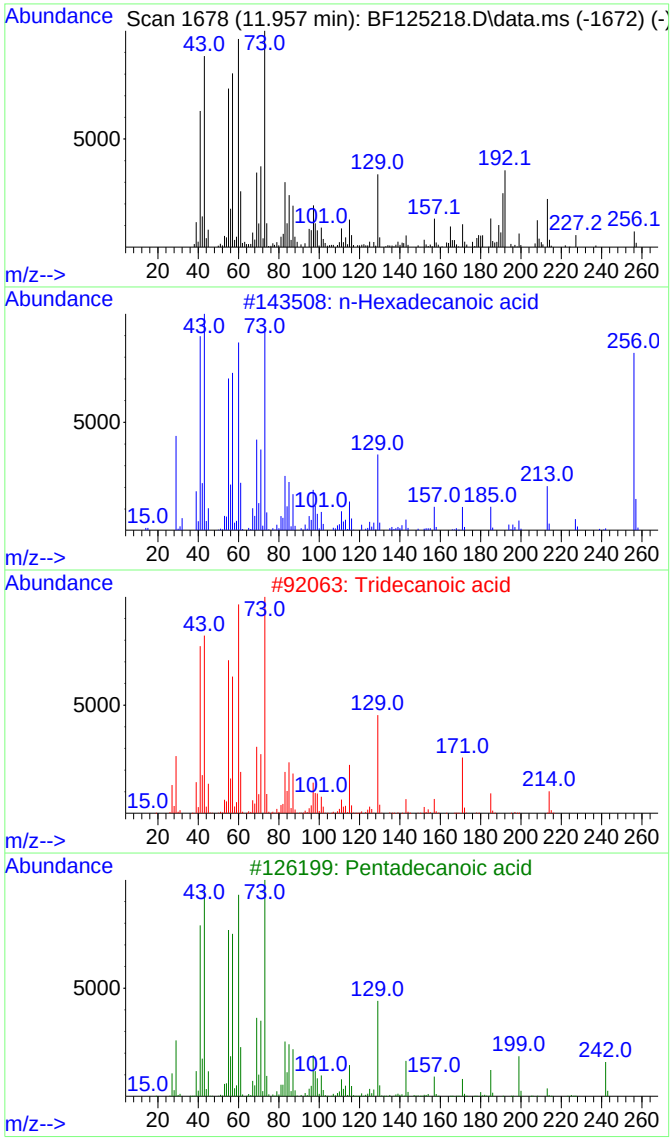
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

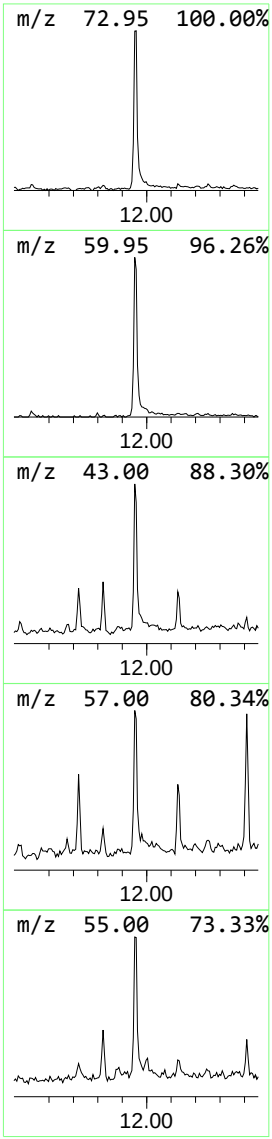
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 n-Hexadecanoic acid Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.957	10.14 ng	778029	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	99
2	Tridecanoic acid	214	C13H26O2	000638-53-9	83
3	Pentadecanoic acid	242	C15H30O2	001002-84-2	70
4	Undecanoic acid	186	C11H22O2	000112-37-8	64
5	Tetradecanoic acid	228	C14H28O2	000544-63-8	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

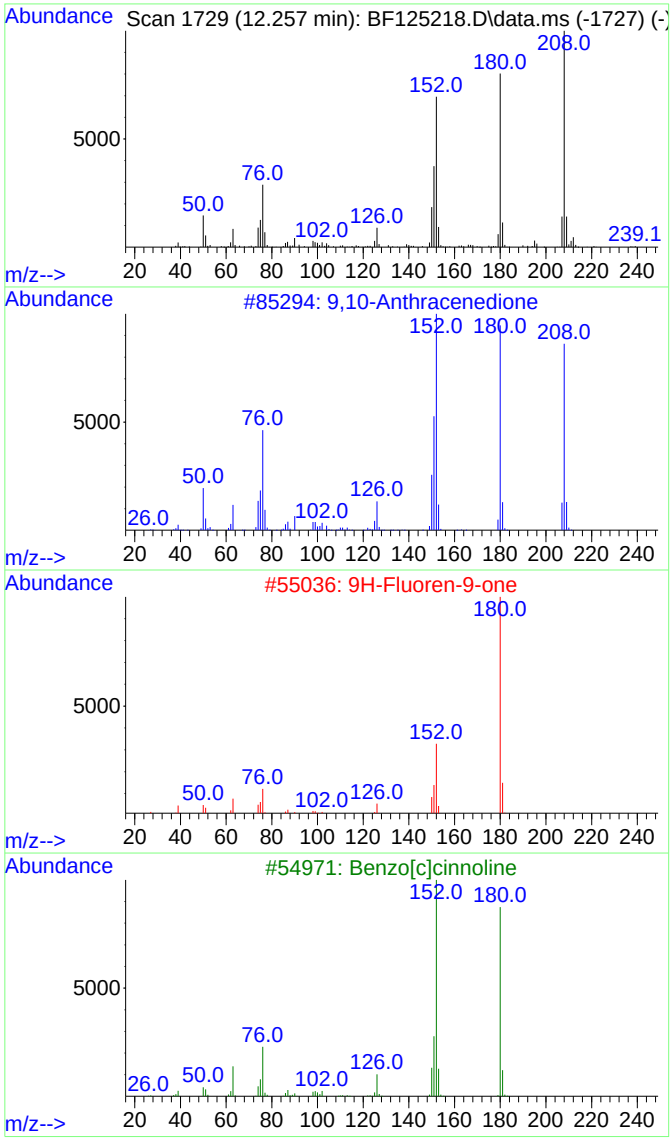
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

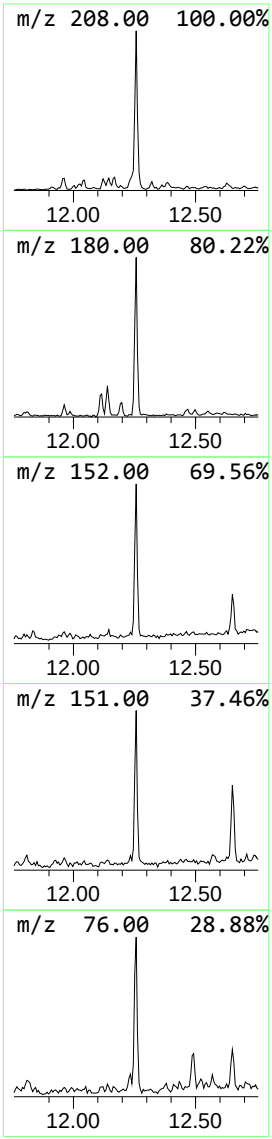
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 9,10-Anthracenedione Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.257	4.42 ng	339331	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9,10-Anthracenedione	208	C14H8O2	000084-65-1	98
2	9H-Fluoren-9-one	180	C13H8O	000486-25-9	87
3	Benzo[c]cinnoline	180	C12H8N2	000230-17-1	60
4	1H-Phenalen-1-one	180	C13H8O	000548-39-0	60
5	1,3-Benzenedicarboxaldehyde, 2,4...	180	C9H8O4	010209-57-1	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

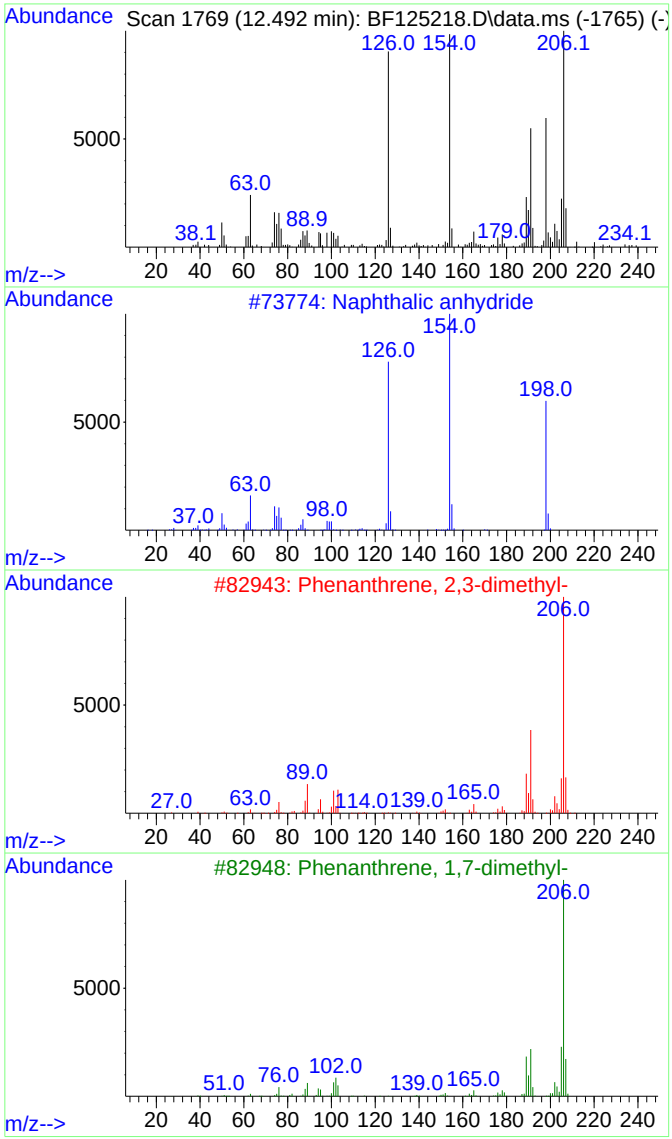
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

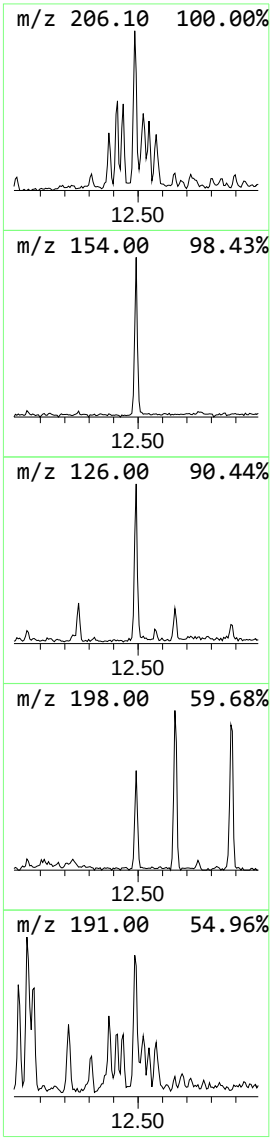
****

Peak Number 7 Naphthalic anhydride Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.492	3.57 ng	273986	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalic anhydride	198	C12H6O3	000081-84-5	95
2	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	60
3	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	59
4	9,10-Dimethylanthracene	206	C16H14	000781-43-1	55
5	Phenanthrene, 3,6-dimethyl-	206	C16H14	001576-67-6	55





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

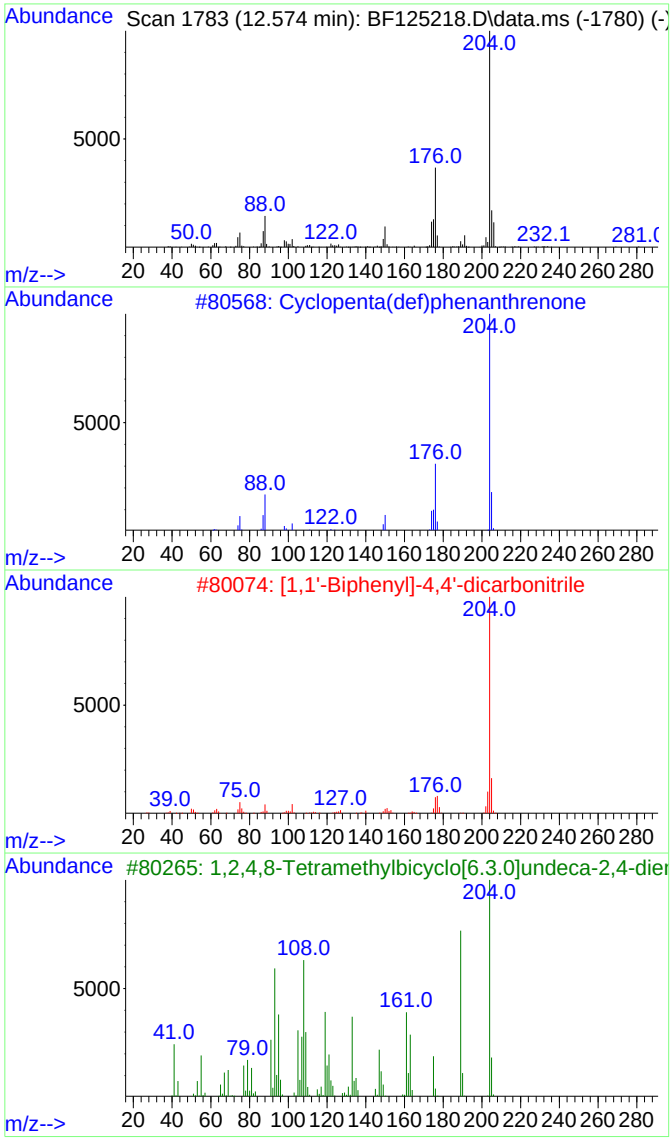
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

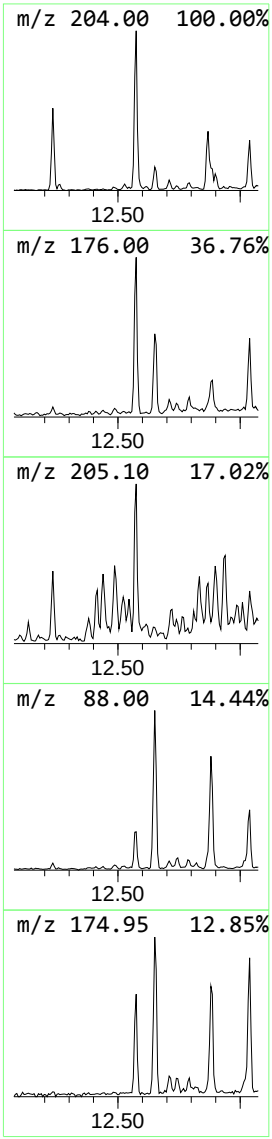
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Cyclopenta(def)phenanthrenone Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.574	4.49 ng	344199	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	96
2	[1,1'-Biphenyl]-4,4'-dicarbonitrile	204	C14H8N2	001591-30-6	64
3	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	55
4	Dihydrofuranno(3,2-H)homochromanone	204	C12H12O3	057052-85-4	46
5	Quinoline, 8-methoxy-5-nitro-	204	C10H8N2O3	1000298-88-7	43





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

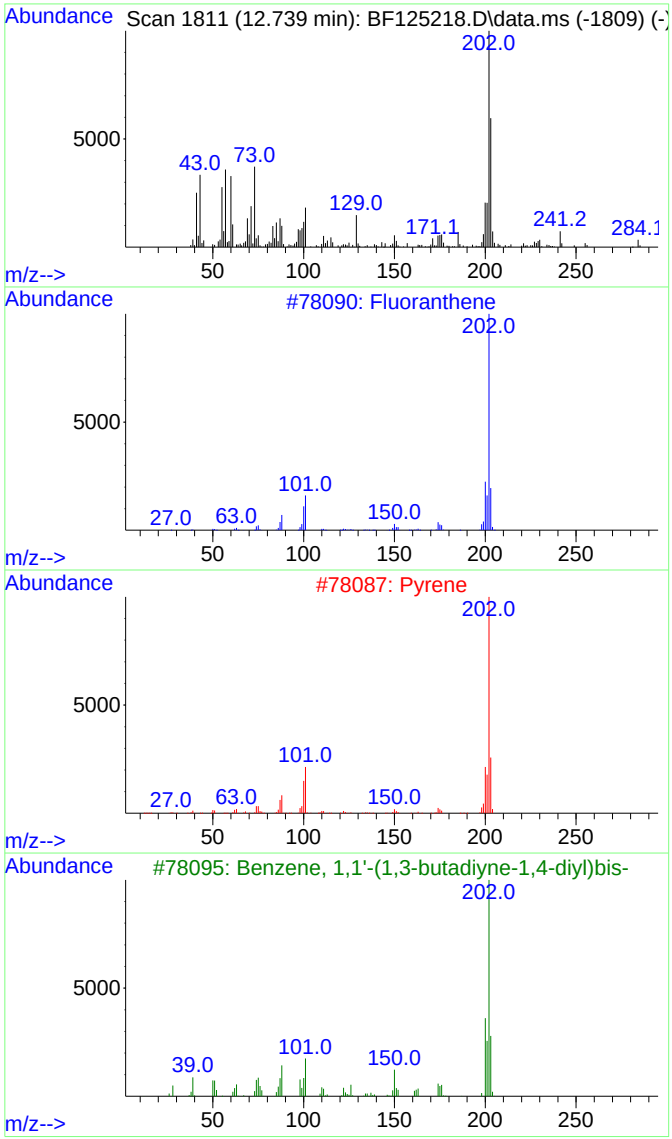
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

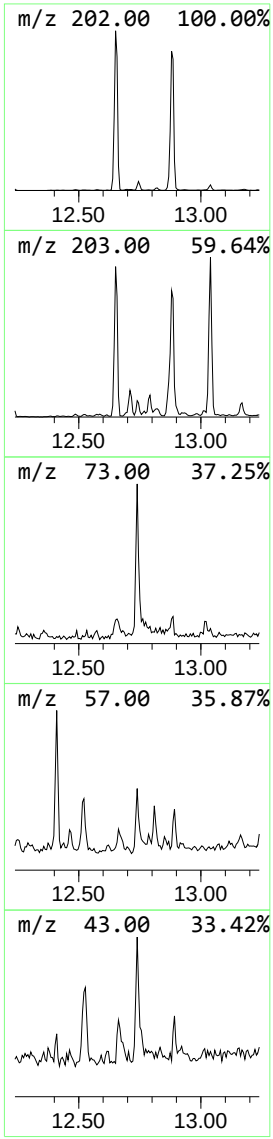
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 unknown12.739 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.739	3.68 ng	282291	Phenanthrene-d10	11.439

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Fluoranthene	202	C16H10	000206-44-0	60
2	Pyrene	202	C16H10	000129-00-0	53
3	Benzene, 1,1'-(1,3-butadiyne-1,4...	202	C16H10	000886-66-8	47
4	Methyl 3-indolepropionate, TMS d...	275	C15H21NO2Si	056196-72-6	47
5	4,4'-Bis(tetrahydrothiopyran)	202	C10H18S2	116196-83-9	42





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

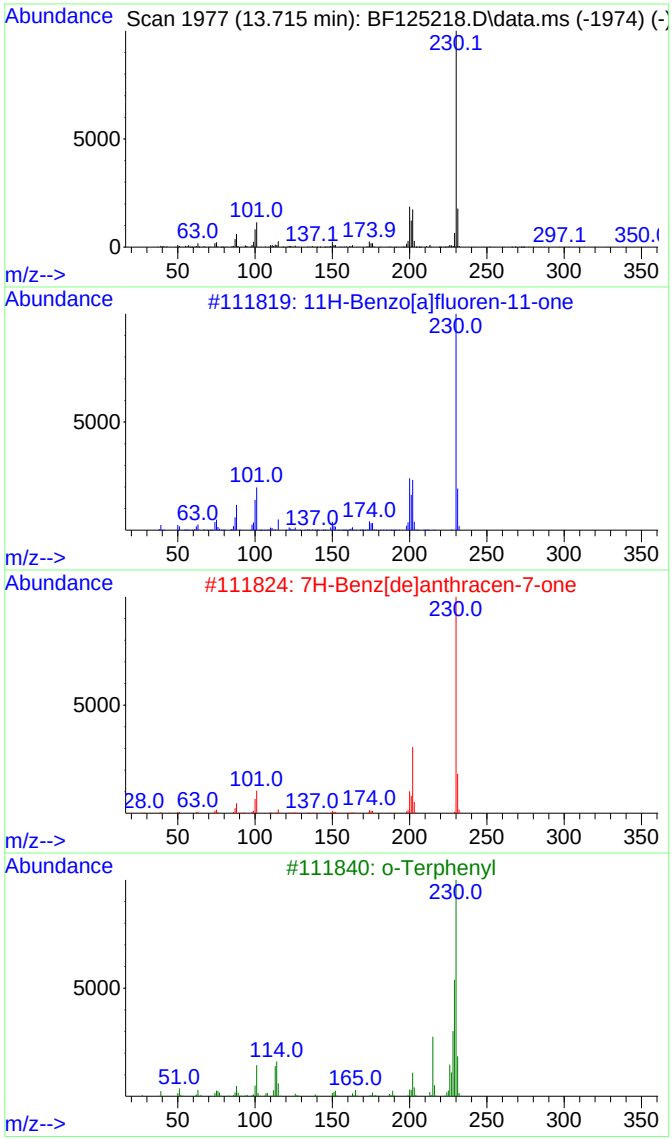
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

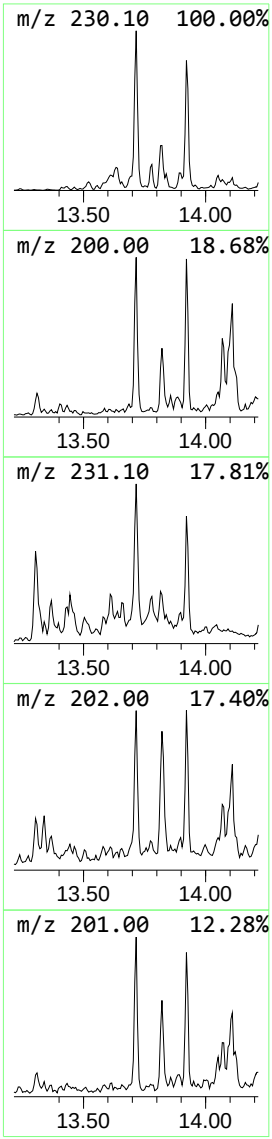
****

Peak Number 10 11H-Benzo[a]fluoren-11-one Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.715	4.17 ng	778455	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	94
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	93
3	o-Terphenyl	230	C18H14	000084-15-1	64
4	benzonitrile, 2-(3-isoquinolinyl)-	230	C16H10N2	1000401-00-3	64
5	2-Carbaldehyde-4-hydroxyquinolin...	287	C16H21NO2Si	1000463-11-6	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-8-(309.00)

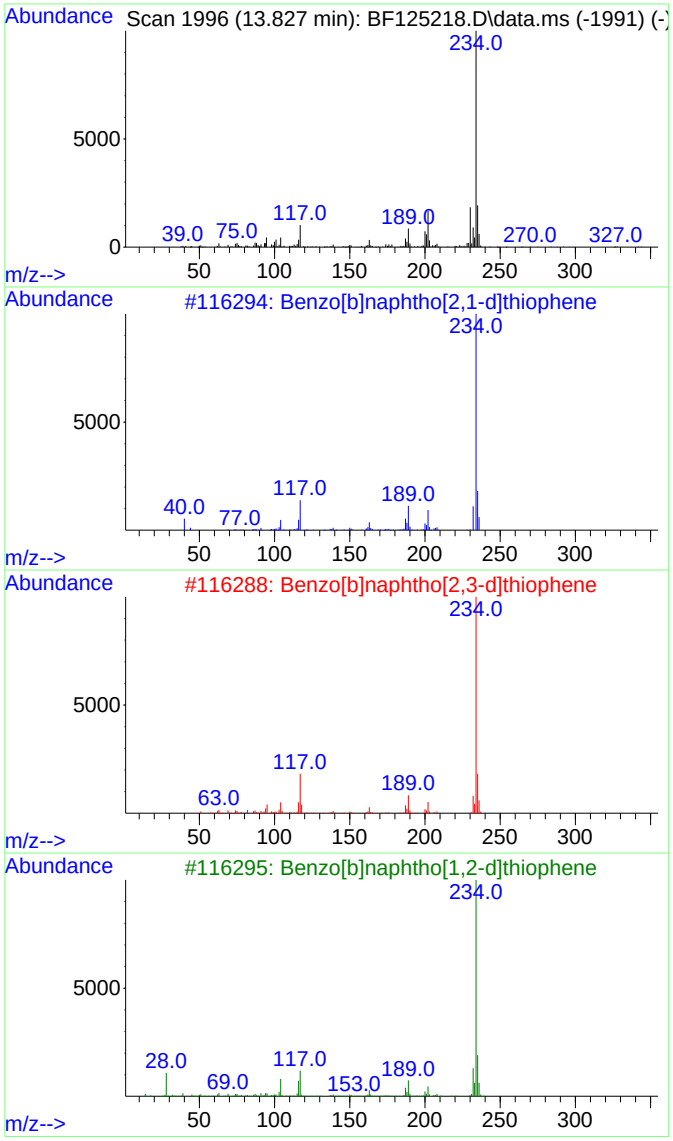
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

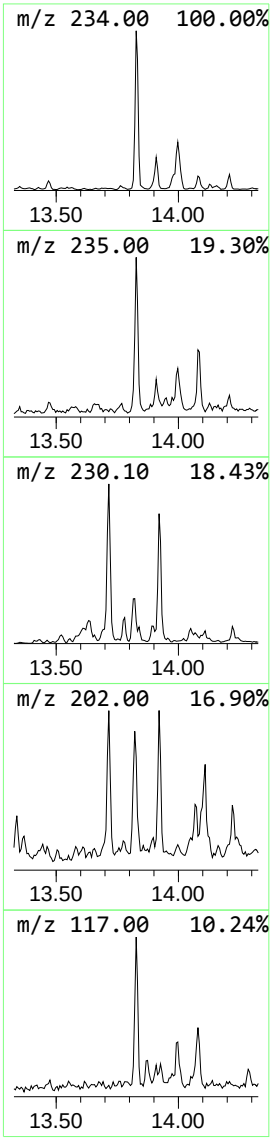
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzo[b]naphtho[2,1-d]thiop... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.827	4.13 ng	771044	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	95
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	90
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	90
4	Quinoxalino[2,3-b]quinoxaline, 5...	234	C14H10N4	000531-46-4	72
5	pyrido[1',2':1,2]imidazo[4,5-b]q...	234	C14H10N4	1000401-06-3	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

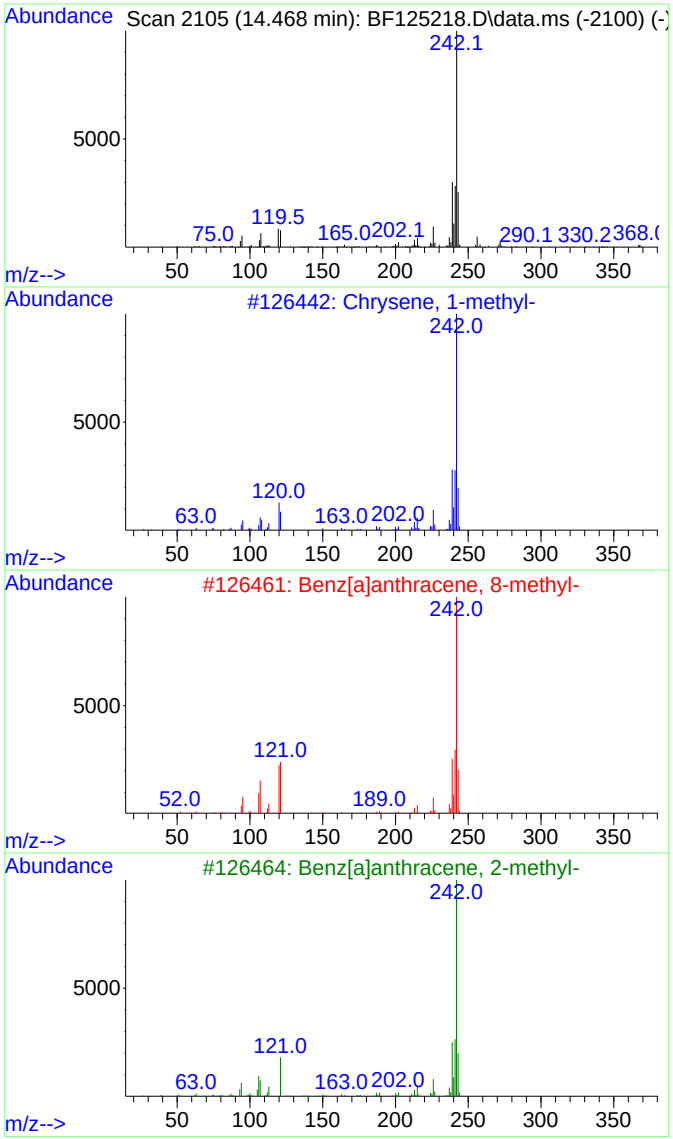
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

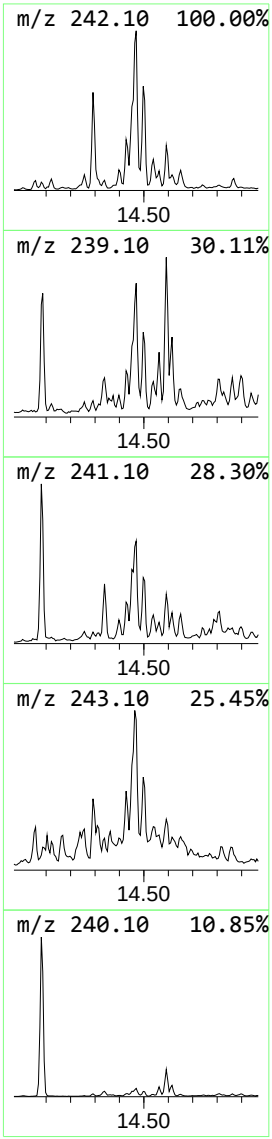
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Chrysene, 1-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.468	4.18 ng	780407	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
2	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	90
3	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	90
4	Benz[a]anthracene, 7-methyl-	242	C19H14	002541-69-7	86
5	Chrysene, 5-methyl-	242	C19H14	003697-24-3	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

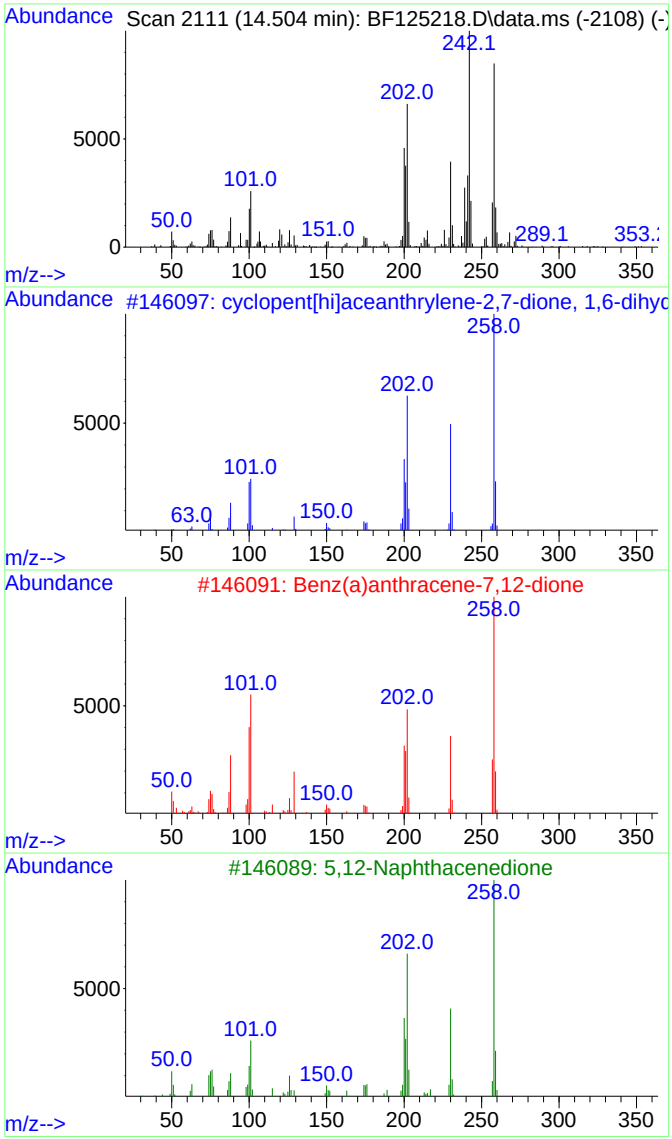
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF081821.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

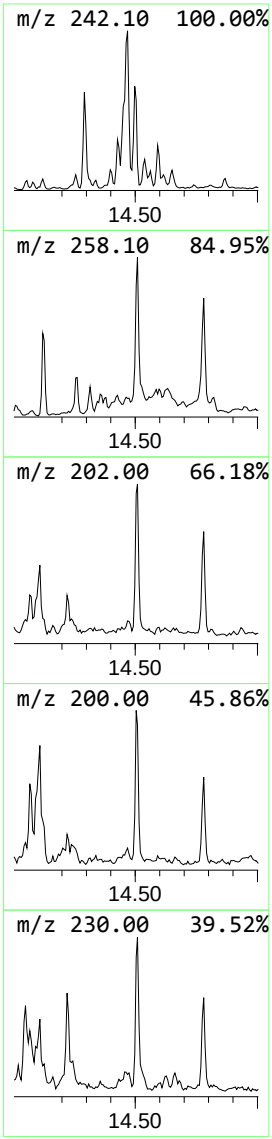
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 cyclopent[hi]aceanthrylene-... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.504	3.73 ng	696605	Chrysene-d12	14.080

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	cyclopent[hi]aceanthrylene-2,7-d...	258	C18H10O2	1000396-75-6	96
2	Benz(a)anthracene-7,12-dione	258	C18H10O2	002498-66-0	90
3	5,12-Naphthacenedione	258	C18H10O2	001090-13-7	90
4	Chrysene, 6-methyl-	242	C19H14	001705-85-7	60
5	Benz[a]anthracene, 2-methyl-	242	C19H14	002498-76-2	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

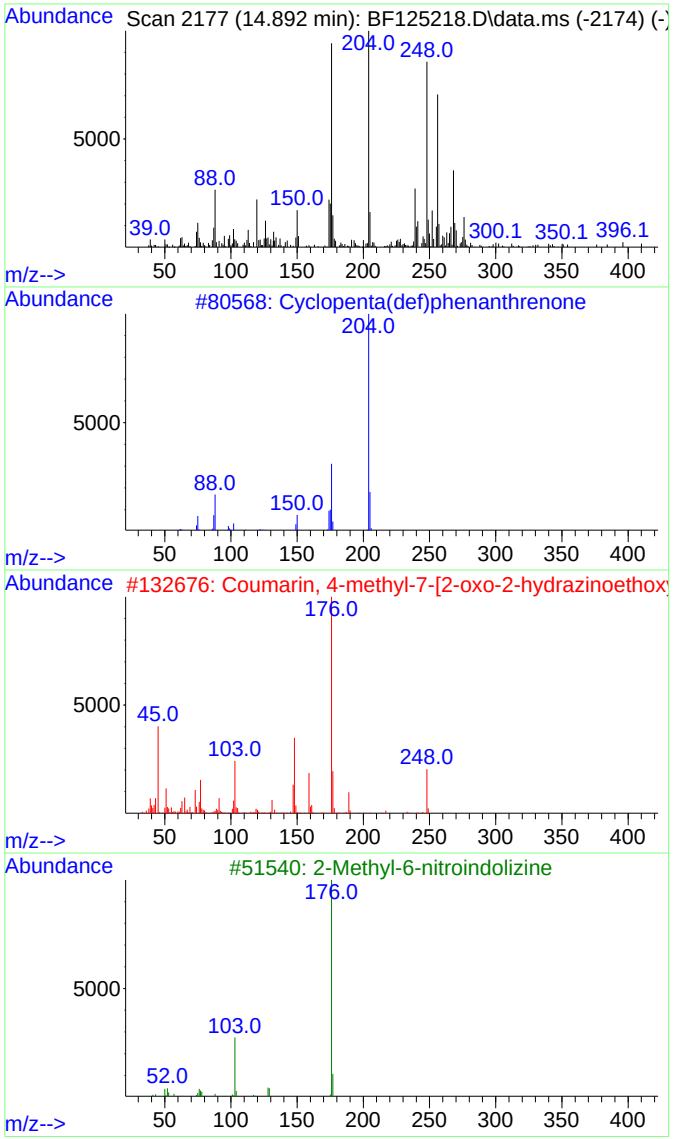
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

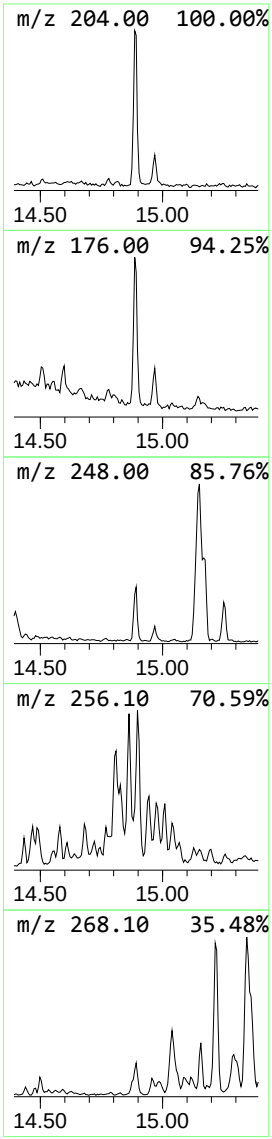
****

Peak Number 14 unknown14.892 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.892	4.35 ng	374528	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	38
2	Coumarin, 4-methyl-7-[2-oxo-2-hy...	248	C12H12N2O4	069321-36-4	38
3	2-Methyl-6-nitroindolizine	176	C9H8N2O2	060891-75-0	11
4	d-Proline, N-(2-chloroethoxycarb...	305	C14H24ClNO4	1000328-22-3	11
5	1,2-Dichlorophenazine	248	C12H6Cl2N2	003368-42-1	11





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

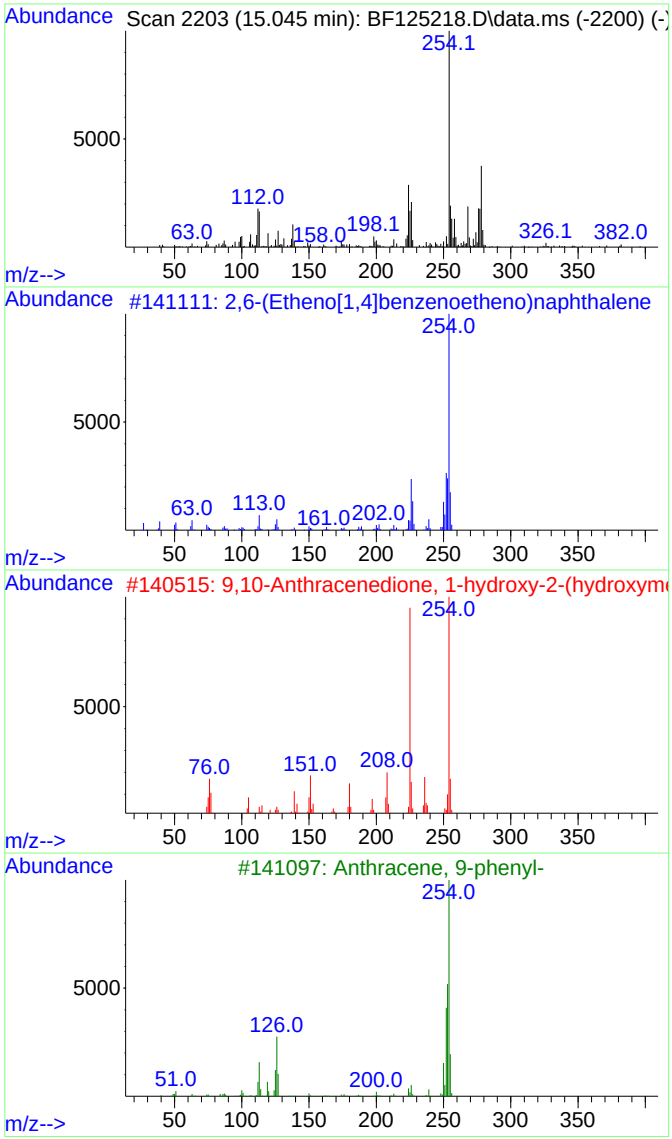
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

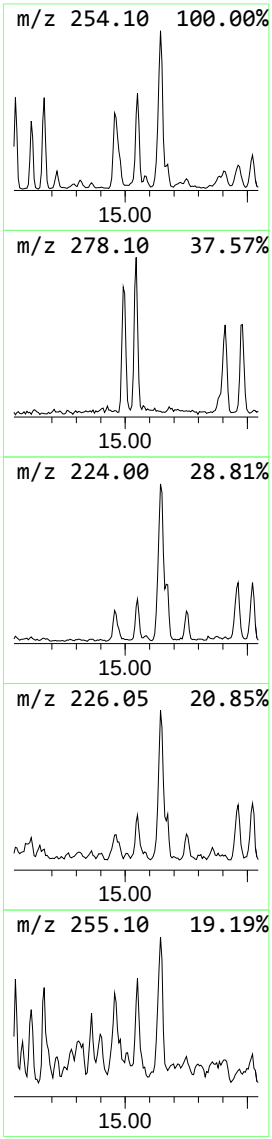
****

Peak Number 15 unknown15.045 Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.045	4.10 ng	352794	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	47
2	9,10-Anthracenedione, 1-hydroxy-...	254	C15H10O4	024094-45-9	47
3	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	43
4	(3Z)-1,7,7-trimethyl-3-(4-Methyl...	254	C18H22O	1000514-88-5	38
5	1,2'-Binaphthalene	254	C20H14	004325-74-0	38





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

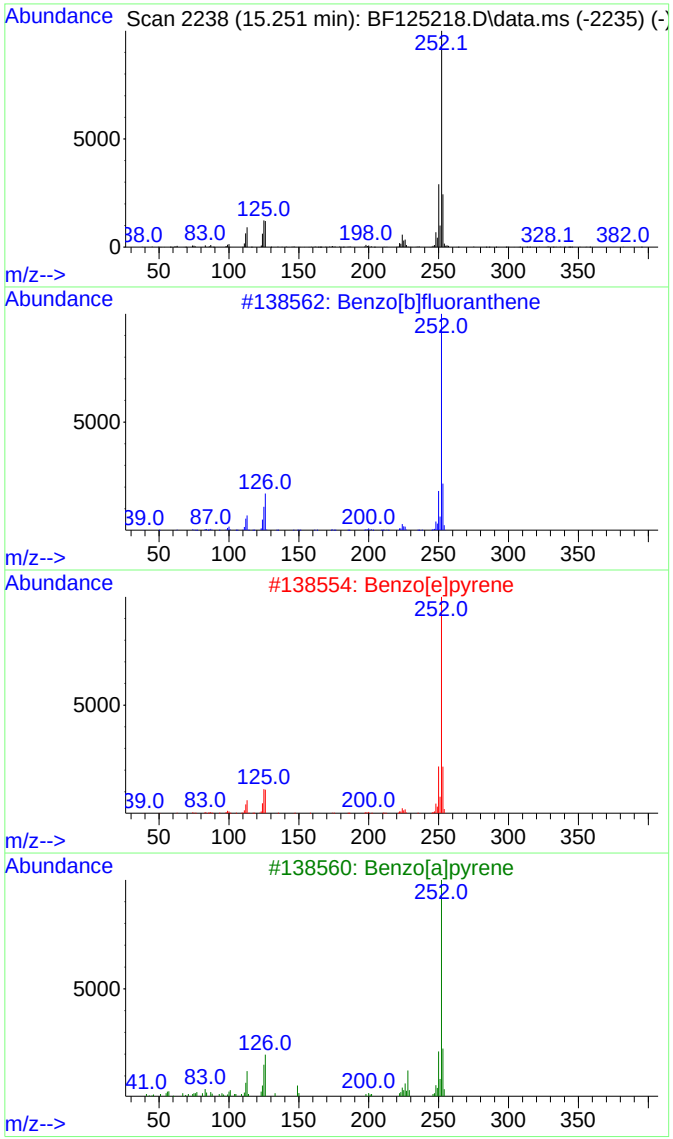
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

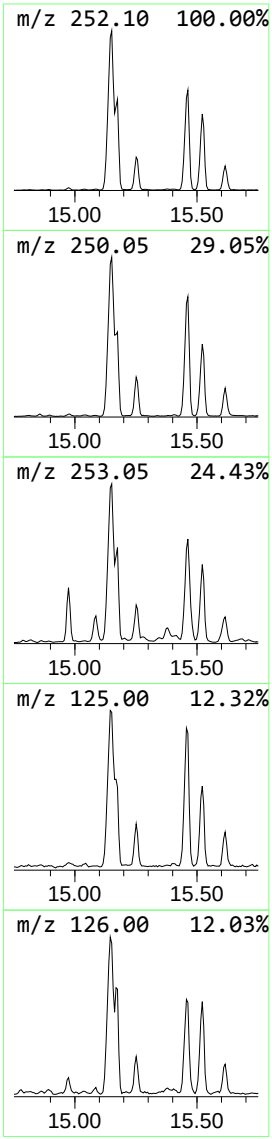
****

Peak Number 16 Benzo[e]pyrene Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.251	8.19 ng	705000	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]fluoranthene	252	C20H12	000205-99-2	97
2	Benzo[e]pyrene	252	C20H12	000192-97-2	96
3	Benzo[a]pyrene	252	C20H12	000050-32-8	91
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90
5	Perylene	252	C20H12	000198-55-0	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

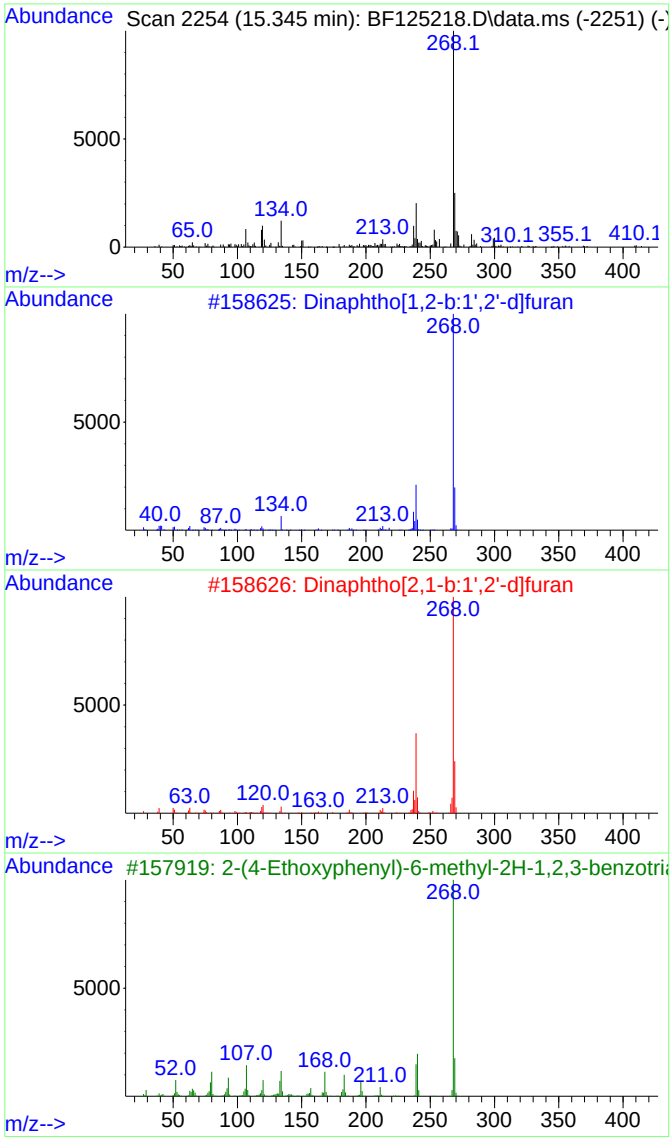
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

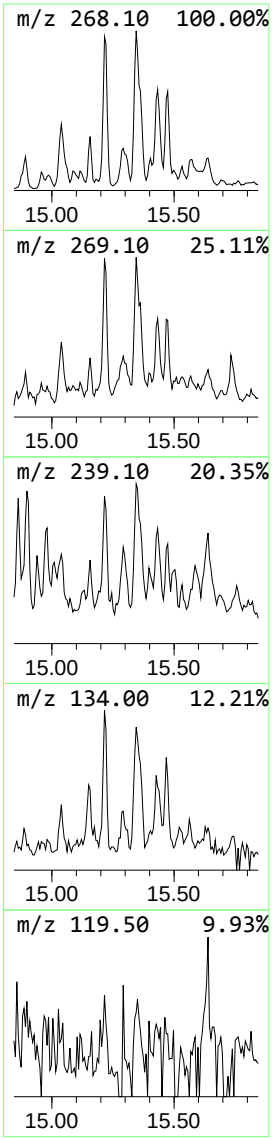
****

Peak Number 17 Dinaphtho[1,2-b:1',2'-d]furan Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.345	5.68 ng	488795	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dinaphtho[1,2-b:1',2'-d]furan	268	C20H12O	000207-93-2	91
2	Dinaphtho[2,1-b:1',2'-d]furan	268	C20H12O	000194-63-8	83
3	2-(4-Ethoxyphenyl)-6-methyl-2H-1...	268	C15H16N4O	355818-00-7	59
4	4H-1-Benzopyran-4-one, 5-hydroxy...	268	C16H12O4	000520-28-5	59
5	Naphthalene, 1-(2-naphthalenylme...	268	C21H16	000611-48-3	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

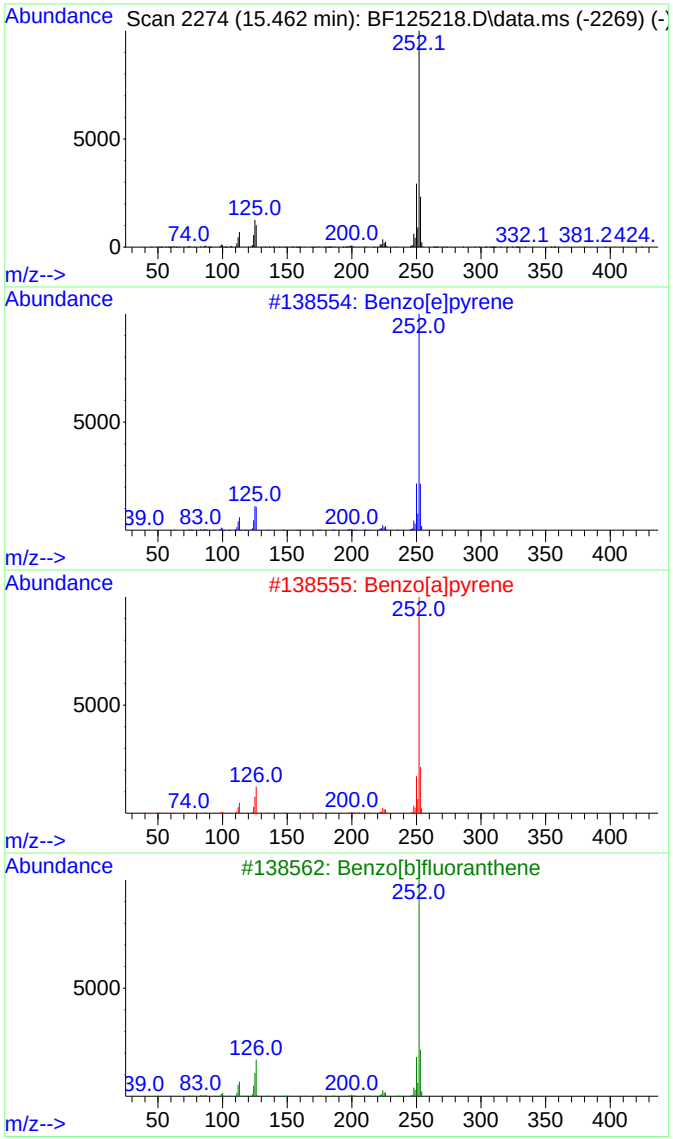
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

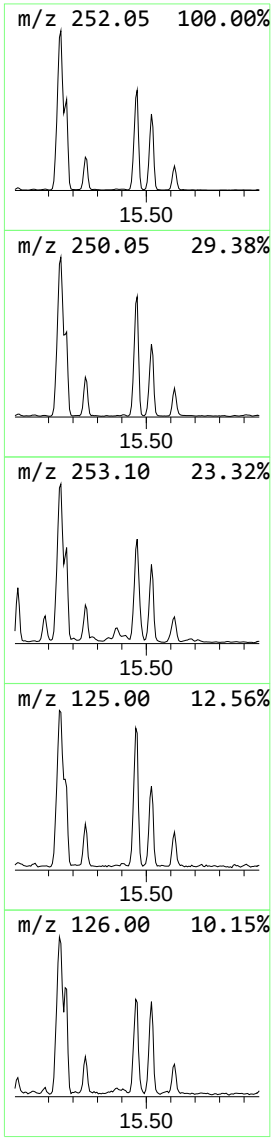
****

Peak Number 18 Perylene Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.462	33.53 ng	2885980	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benzo[a]pyrene	252	C20H12	000050-32-8	98
3	Benzo[b]fluoranthene	252	C20H12	000205-99-2	94
4	Perylene	252	C20H12	000198-55-0	93
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	90





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
SAMPLE-8-(309.00)

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

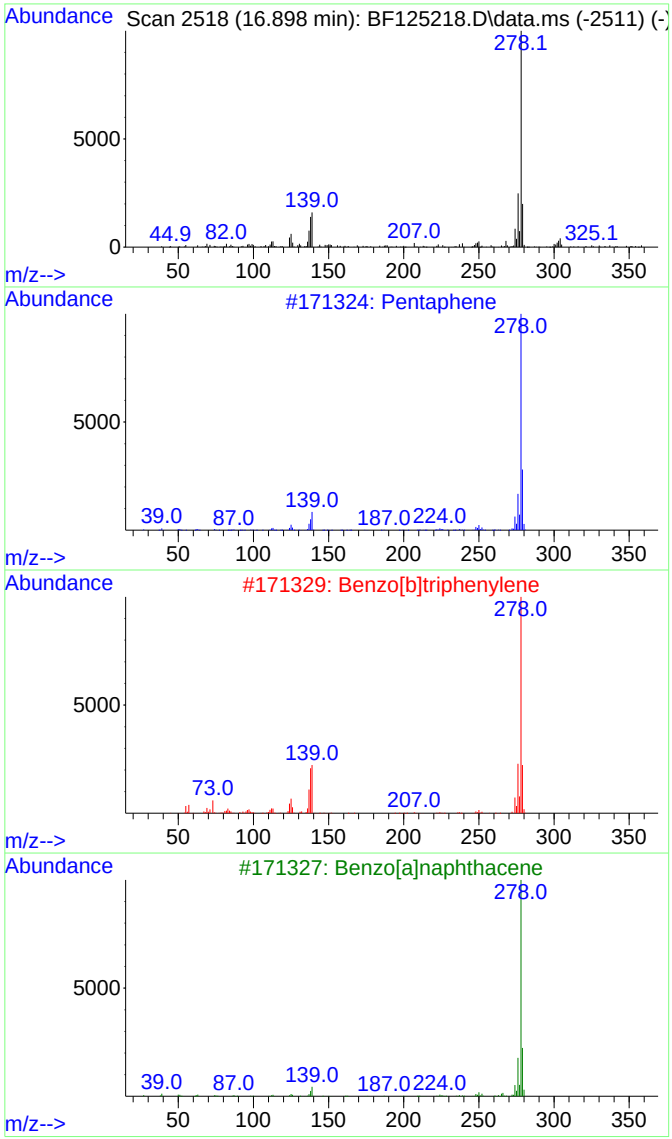
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

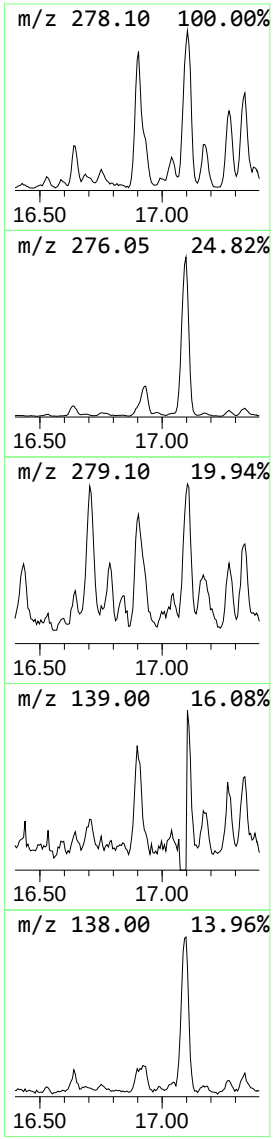
****

Peak Number 19 Pentaphene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.898	4.56 ng	392824	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentaphene	278	C22H14	000222-93-5	90
2	Benzo[b]triphenylene	278	C22H14	000215-58-7	90
3	Benzo[a]naphthacene	278	C22H14	000226-88-0	90
4	Benzo[b]chrysene	278	C22H14	000214-17-5	90
5	Dibenz[a,h]anthracene	278	C22H14	000053-70-3	81





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-8-(309.00)

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

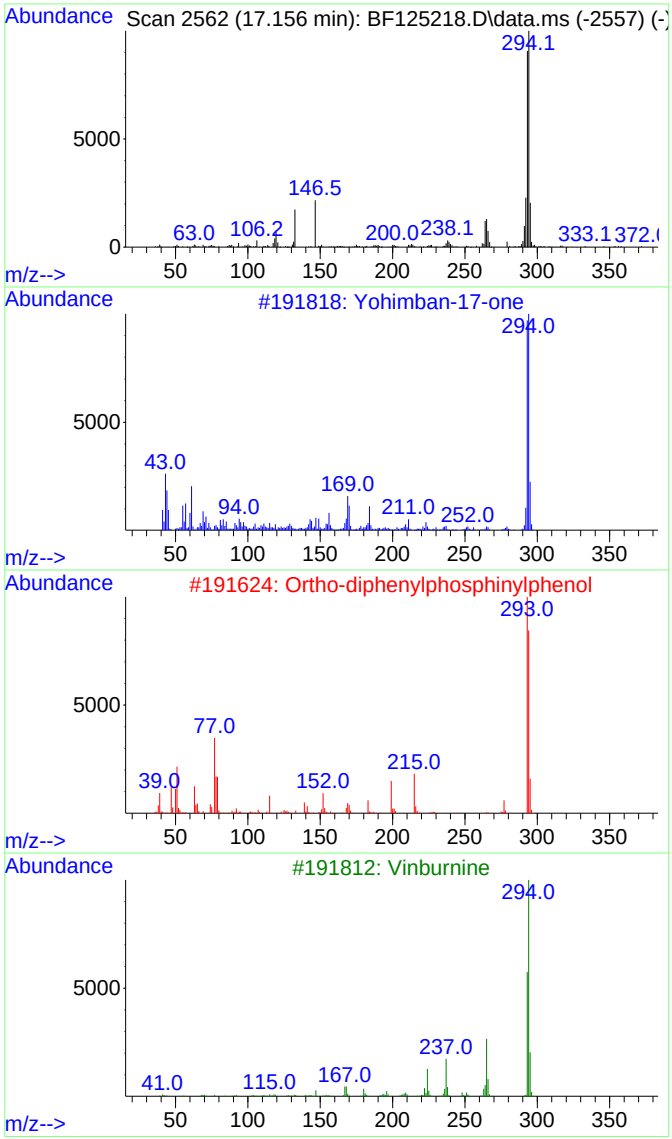
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

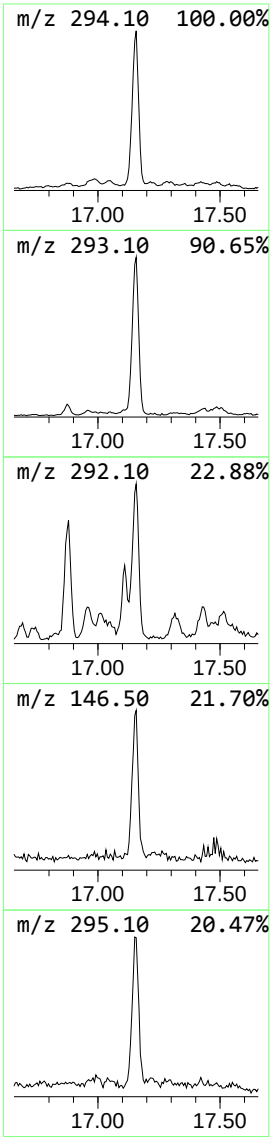
****

Peak Number 20 Yohimban-17-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.156	11.13 ng	958363	Perylene-d12	15.586

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Yohimban-17-one	294	C19H22N2O	000523-14-8	53
2	Ortho-diphenylphosphinylphenol	294	C18H15O2P	016522-52-4	50
3	Vinburnine	294	C19H22N2O	004880-88-0	47
4	2-Cyclopropyl-3-(2-fluorobenzyl)...	294	C18H15FN2O	1000311-61-2	47
5	3-Methoxydiftalone	294	C17H14N2O3	037149-76-1	43





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082521\
Data File : BF125218.D
Acq On : 25 Aug 2021 19:48
Operator : JU/CG
Sample : M3467-07
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SAMPLE-8-(309.00)

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...	2.222	20.6	ng	1363540	1	6.916	1327080	20.0
3-Hexen-2-one	4.522	7.6	ng	501454	1	6.916	1327080	20.0
Ethanol, 2-(2-b...	8.092	19.1	ng	1656810	2	8.198	1730470	20.0
9H-Fluoren-9-one	11.239	3.7	ng	284729	4	11.439	1534170	20.0
n-Hexadecanoic ...	11.957	10.1	ng	778029	4	11.439	1534170	20.0
9,10-Anthracene...	12.257	4.4	ng	339331	4	11.439	1534170	20.0
Naphthalic anhy...	12.492	3.6	ng	273986	4	11.439	1534170	20.0
Cyclopenta(def)...	12.574	4.5	ng	344199	4	11.439	1534170	20.0
unknown12.739	12.739	3.7	ng	282291	4	11.439	1534170	20.0
11H-Benzo[a]flu...	13.715	4.2	ng	778455	5	14.080	3737070	20.0
Benzo[b]naphtho...	13.827	4.1	ng	771044	5	14.080	3737070	20.0
Chrysene, 1-met...	14.468	4.2	ng	780407	5	14.080	3737070	20.0
cyclopent[hi]ac...	14.504	3.7	ng	696605	5	14.080	3737070	20.0
unknown14.892	14.892	4.3	ng	374528	6	15.586	1721680	20.0
unknown15.045	15.045	4.1	ng	352794	6	15.586	1721680	20.0
Benzo[e]pyrene	15.251	8.2	ng	705000	6	15.586	1721680	20.0
Dinaphtho[1,2-b...	15.345	5.7	ng	488795	6	15.586	1721680	20.0
Perylene	15.462	33.5	ng	2885980	6	15.586	1721680	20.0
Pentaphene	16.898	4.6	ng	392824	6	15.586	1721680	20.0
Yohimban-17-one	17.156	11.1	ng	958363	6	15.586	1721680	20.0