LSC Area Percent Report

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
Data File : BF121968.D
Acq On : 14 Oct 2020 20:40
Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BF121968.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.951	484	487	506	rVB	72463	113929	4.44%	0.391%
2	5.363	553	557	578	rBV	2104500	2138413	83.34%	7.340%
3	6.387	727	731	750	rBV	2246032	2239676	87.28%	7.687%
4	6.740	788	791	798	rVB	793386	669848	26.10%	2.299%
5	7.004	832	836	841	rBV2	27556	41294	1.61%	0.142%
6	7.310	884	888	896	rBV	1607589	1543255	60.14%	5.297%
7	7.387	896	901	904	rVB4	22861	39615	1.54%	0.136%
8	7.451	904	912	917	rBV5	22080	41796	1.63%	0.143%
9	7.704	952	955	958	rBV2	32790	39568	1.54%	0.136%
10	7.775	963	967	970	rBV3	35414	40334	1.57%	0.138%
11	8.022	1003	1009	1016	rVV	835900	913876	35.61%	3.137%
12	8.087	1016	1020	1022	rVB	130366	117427	4.58%	0.403%
13	8.228	1041	1044	1046	rVB	50142	43736	1.70%	0.150%
14	8.316	1054	1059	1065	rVB5	53163	94287	3.67%	0.324%
15	8.404	1070	1074	1077	rVB2	39967	45140	1.76%	0.155%
16	8.445	1077	1081	1083	rBV	138022	125790	4.90%	0.432%
17	8.563	1097	1101	1104	rBV3	39142	44659	1.74%	0.153%
18	8.616	1107	1110	1114	rVV2	46460	48208	1.88%	0.165%
19	8.710	1123	1126	1129	rVB3	56832	60767	2.37%	0.209%
20	8.898	1155	1158	1160	rBV	39308	42477	1.66%	0.146%
21	9.045	1180	1183	1187	rVB	97712	89801	3.50%	0.308%
22	9.098	1187	1192	1195	rBV	2943432	2565994	100.00%	8.807%
23	9.181	1201	1206	1209	rBV	74952	91902	3.58%	0.315%
24	9.216	1209	1212	1223	rVB	226195	269221	10.49%	0.924%
25	9.369	1234	1238	1242	rBV	33419	42710	1.66%	0.147%
26	9.434	1246	1249	1252	rVV	63096	70962	2.77%	0.244%
27	9.498	1255	1260	1267	rVB	442534	494619	19.28%	1.698%
28	9.639	1281	1284	1288	rBV	74130	69143	2.69%	0.237%
29	9.704	1293	1295	1300	rVB	57013	54809	2.14%	0.188%
30	9.775	1300	1307	1311	rBV	1077339	964104	37.57%	3.309%
31	9.810	1311	1313	1317	rVB	54082	49159	1.92%	0.169%
32	9.981	1337	1342	1346	rVV4	32106	57464	2.24%	0.197%
33	10.022	1346	1349	1353	rVB3	38542	45914	1.79%	0.158%
34	10.204	1378	1380	1383	rVB	79099	57001	2.22%	0.196%
35	10.322	1397	1400	1404	rBV2	29169	39958	1.56%	0.137%
36	10.369	1404	1408	1413	rVV3	55013	113426	4.42%	0.389%

LSC Area Percent Report

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Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.428	1413	1418	1423	rVB2	53801	86603	3.38%	0.297%
38	10.569	1438	1442	1452	rVB	1179506	1214326	47.32%	4.168%
39	10.686	1457	1462	1469	rVB2	102727	165319	6.44%	0.567%
40	11.128	1531	1537	1539	rBV2	52319	59657	2.32%	0.205%
41	11.157	1539	1542	1547	rVB2	59898	69926	2.73%	0.240%
42	11.263	1556	1560	1562	rBV	970281	881797	34.36%	3.027%
43	11.286	1562	1564	1567	rVV	338668	281091	10.95%	0.965%
44	11.339	1570	1573	1576	rVB	95706	83444	3.25%	0.286%
45	11.498	1596	1600	1606	rBV	49498	69098	2.69%	0.237%
46	11.551	1606	1609	1612	rVV2	65459	54791	2.14%	0.188%
47	11.592	1614	1616	1622	rVB2	27312	38198	1.49%	0.131%
48	11.763	1642	1645	1647	rBV	114017	96410	3.76%	0.331%
49	11.792	1647	1650	1654	rVV	165949	147313	5.74%	0.506%
50	11.839	1656	1658	1661	rVV	50271	47546	1.85%	0.163%
51	11.875	1661	1664	1666	rVV2	150887	164956	6.43%	0.566%
52	11.898	1666	1668	1672	rVB	86333	74784	2.91%	0.257%
53	11.957	1674	1678	1682	rBV4	45962	50292	1.96%	0.173%
54	12.057	1692	1695	1699	rBV	59416	56455	2.20%	0.194%
55	12.092	1699	1701	1706	rVB2	41303	43169	1.68%	0.148%
56	12.204	1715	1720	1723	rBV2	49636	63879	2.49%	0.219%
57	12.239	1723	1726	1728	rVB	55448	46787	1.82%	0.161%
58	12.310	1734	1738	1740	rBV	158710	148875	5.80%	0.511%
59	12.357	1740	1746	1750	rVV4	233671	440117	17.15%	1.511%
60	12.404	1750	1754	1758	rVV3	87544	123359	4.81%	0.423%
61	12.474	1762	1766	1769	rVV	864980	738482	28.78%	2.535%
62	12.504	1769	1771	1775	rVV2	61747	78364	3.05%	0.269%
63	12.627	1788	1792	1794	rBV3	39751	47375	1.85%	0.163%
64	12.704	1799	1805	1811	rBV	814380	917934	35.77%	3.151%
65	12.757	1811	1814	1818	rVB3	76716	87252	3.40%	0.299%
66	12.845	1818	1829	1832	rBV	2494811	2312885	90.14%	7.939%
67	12.922	1838	1842	1849	rBV3	98857	180789	7.05%	0.621%
68	13.010	1853	1857	1858	rBV2	90678	95529	3.72%	0.328%
69	13.074	1864	1868	1869	rBV3	37911	38615	1.50%	0.133%
70	13.098	1869	1872	1875	rVV	76533	92040	3.59%	0.316%
71	13.133	1875	1878	1886	rVB2	153554	206424	8.04%	0.709%
72	13.227	1891	1894	1897	rBV	127122	98565	3.84%	0.338%
73	13.257	1897	1899	1902	rBV	98518	93977	3.66%	0.323%
74	13.416	1922	1926	1929	rBV4	35540	55107	2.15%	0.189%
75	13.545	1945	1948	1951	rVB	118070	112418	4.38%	0.386%
76	13.651	1961	1966	1969	rBV	118932	160114	6.24%	0.550%

LSC Area Percent Report

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Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

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-BF101220.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	13.674	1969	1970	1973	rVB	78878	45604	1.78%	0.157%
78	13.704	1973	1975	1976	rBV	61886	48402	1.89%	0.166%
79	13.757	1981	1984	1986	rBV	65499	75536	2.94%	0.259%
80	13.780	1986	1988	1993	rVB2	58284	83045	3.24%	0.285%
81	13.898	2003	2008	2011	rBV2	934705	1250527	48.73%	4.292%
82	13.927	2011	2013	2021	rVB	480792	417390	16.27%	1.433%
83	14.004	2024	2026	2029	rVB	92333	73169	2.85%	0.251%
84	14.057	2032	2035	2040	rBV3	55940	85130	3.32%	0.292%
85	14.251	2066	2068	2070	rBV	47537	48442	1.89%	0.166%
86	14.292	2070	2075	2078	rVV	132265	161823	6.31%	0.555%
87	14.321	2078	2080	2083	rVB	70657	53105	2.07%	0.182%
88	14.363	2084	2087	2089	rBV2	56516	57228	2.23%	0.196%
89	14.416	2093	2096	2098	rBV	72896	75316	2.94%	0.259%
90	14.668	2136	2139	2141	rBV2	33000	45018	1.75%	0.155%
91	14.774	2154	2157	2160	rBV2	74753	78135	3.05%	0.268%
92	14.927	2179	2183	2190	rBV	429381	773835	30.16%	2.656%
93	15.033	2198	2201	2205	rBV	81818	90146	3.51%	0.309%
94	15.215	2229	2232	2238	rVB	278382	333747	13.01%	1.146%
95	15.280	2238	2243	2248	rBV	380294	478184	18.64%	1.641%
96	15.339	2248	2253	2256	rVV	554185	699582	27.26%	2.401%
97	15.368	2256	2258	2265	rVB2	102302	138278	5.39%	0.475%
98	15.757	2320	2324	2329	rBV4	36800	71344	2.78%	0.245%
99	16.745	2487	2492	2500	rBV	170070	316540	12.34%	1.086%
100	17.174	2560	2565	2576	rVB	143571	290946	11.34%	0.999%

Sum of corrected areas: 29134816

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
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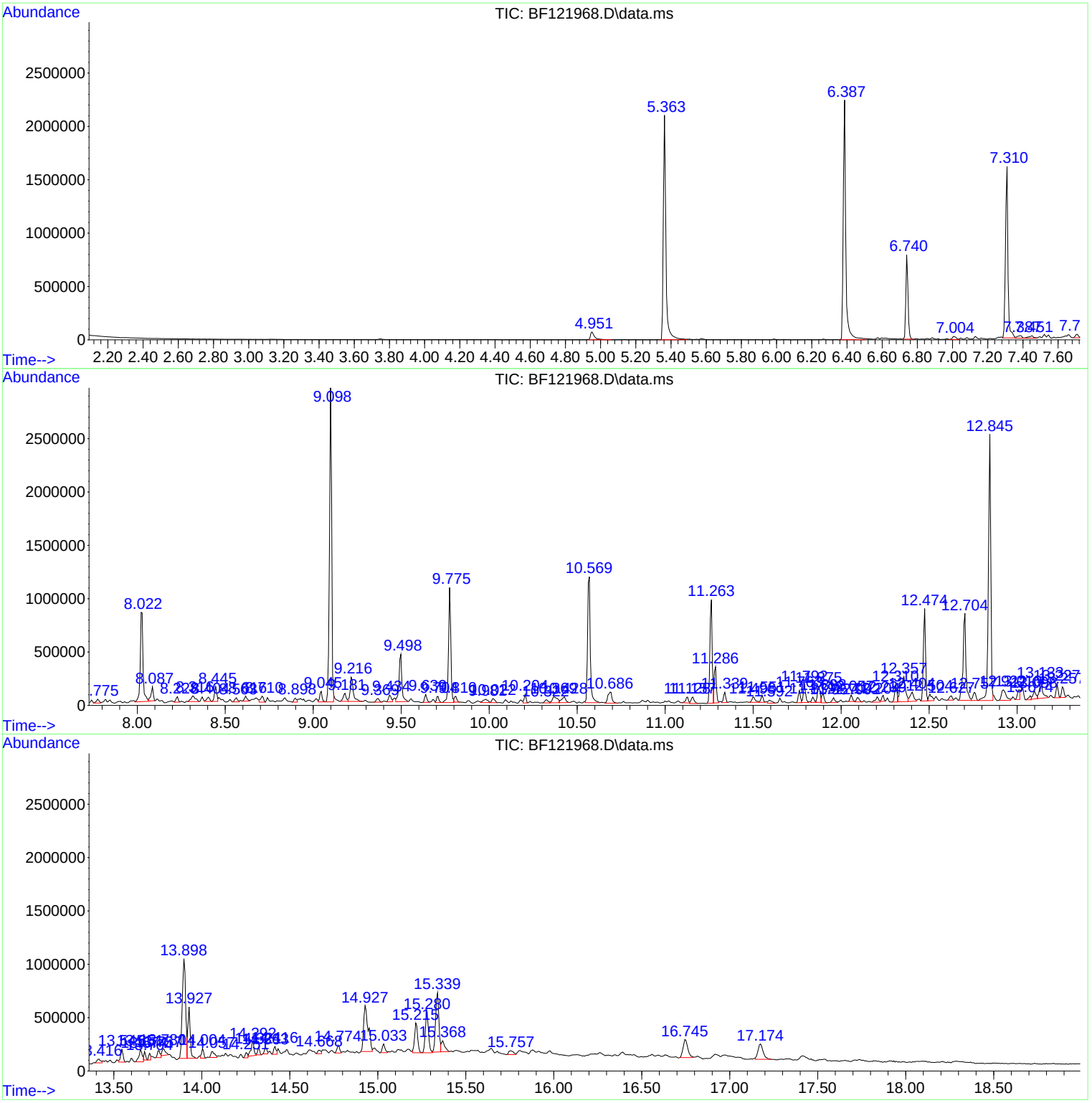
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-08-101320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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\BF101420\
Data File : BF121968.D
Acq On : 14 Oct 2020 20:40
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Instrument : BNA_F
ClientSampleId : TR-08-101320

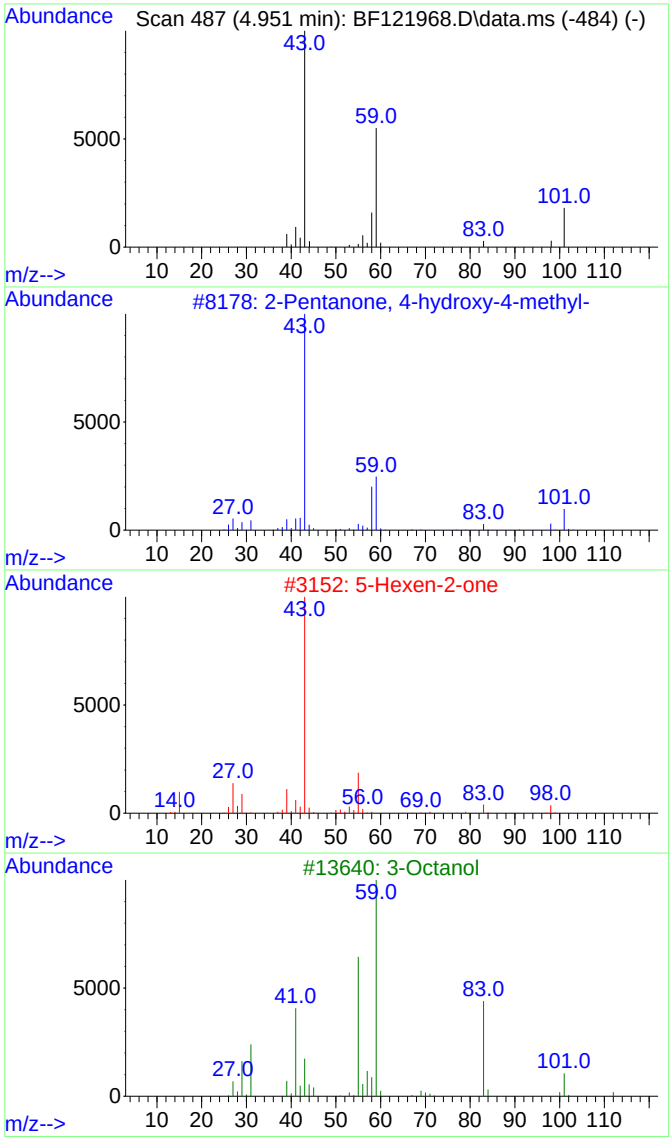
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

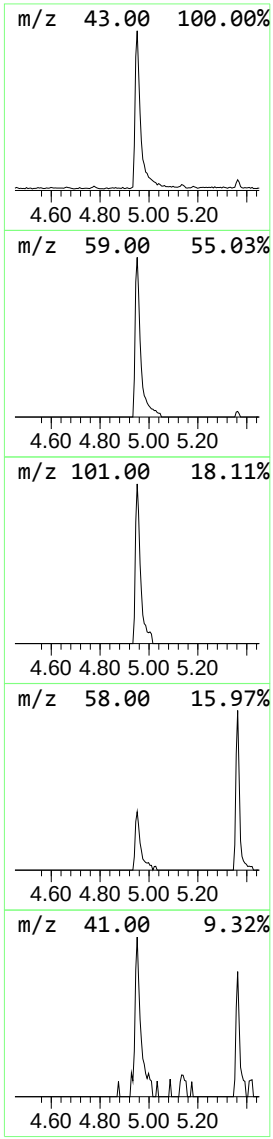
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.951	3.40 ng	113929	1,4-Dichlorobenzene-d4	6.740

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	64
2	5-Hexen-2-one	98	C6H10O	000109-49-9	9
3	3-Octanol	130	C8H18O	000589-98-0	9
4	1-Propen-2-ol, acetate	100	C5H8O2	000108-22-5	9
5	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	9





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
Data File : BF121968.D
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Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-08-101320

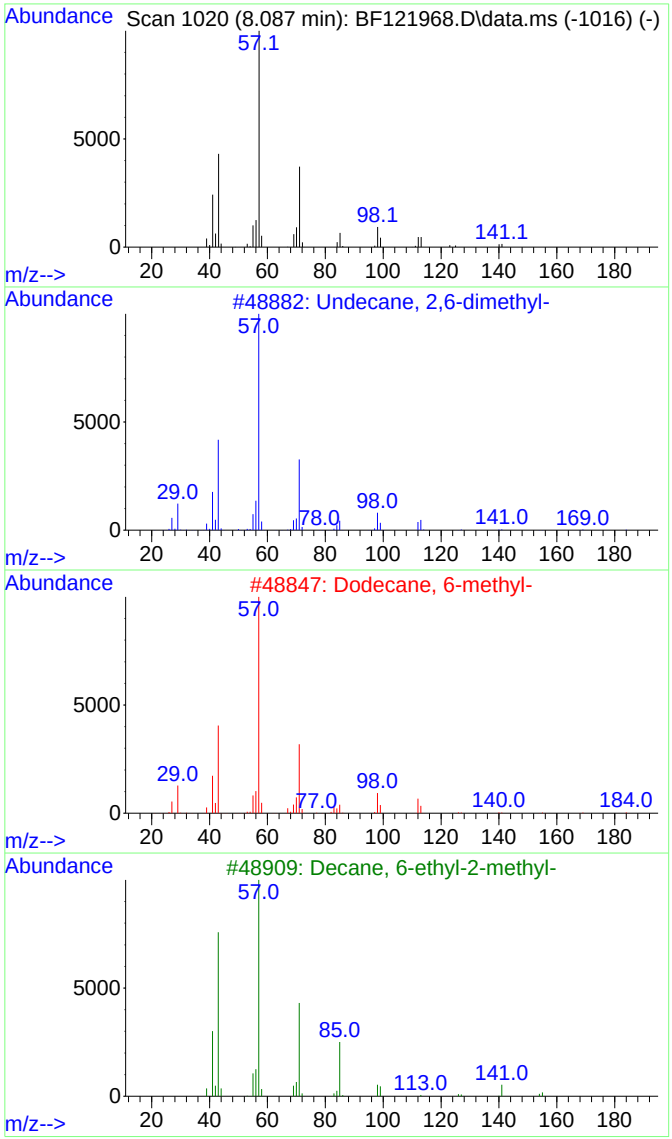
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

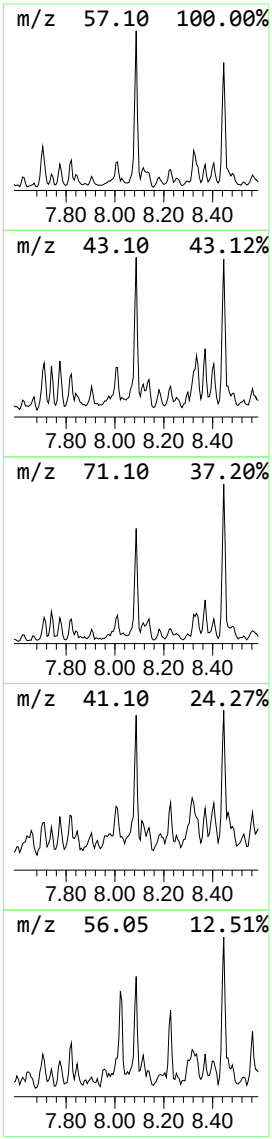
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Undecane, 2,6-dimethyl- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.087	2.57 ng	117427	Naphthalene-d8	8.028

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Undecane, 2,6-dimethyl-	184	C13H28	017301-23-4	90
2	Dodecane, 6-methyl-	184	C13H28	006044-71-9	86
3	Decane, 6-ethyl-2-methyl-	184	C13H28	062108-21-8	64
4	Tridecane, 6-methyl-	198	C14H30	013287-21-3	59
5	Heptane, 3-(bromomethyl)-	192	C8H17Br	018908-66-2	59





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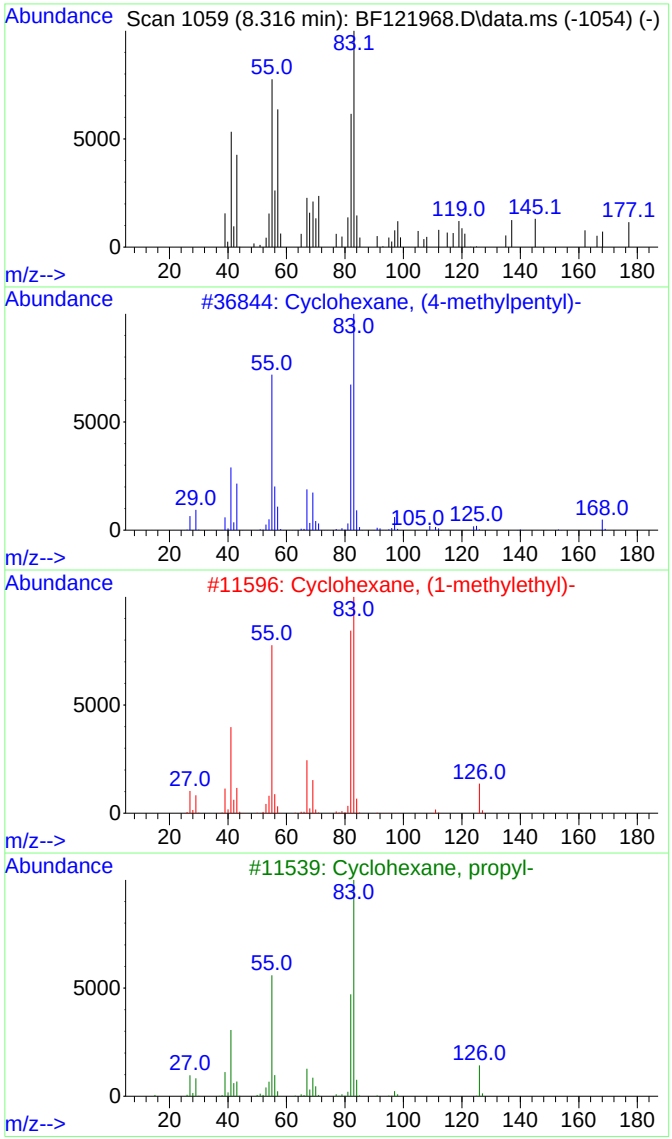
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

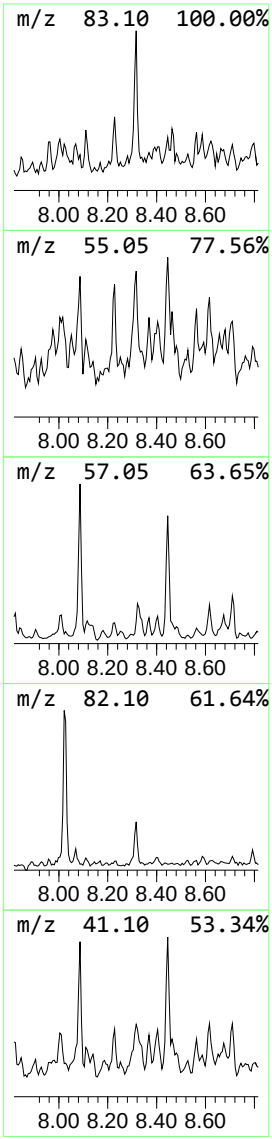
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Cyclohexane, (4-methylpentyl)- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.316	2.06 ng	94287	Naphthalene-d8	8.028

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclohexane, (4-methylpentyl)-	168	C12H24	061142-20-9	64
2	Cyclohexane, (1-methylethyl)-	126	C9H18	000696-29-7	50
3	Cyclohexane, propyl-	126	C9H18	001678-92-8	50
4	Cyclohexane, butyl-	140	C10H20	001678-93-9	50
5	Cyclohexane, octyl-	196	C14H28	001795-15-9	50





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
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Misc :
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Instrument : BNA_F
ClientSampleId : TR-08-101320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

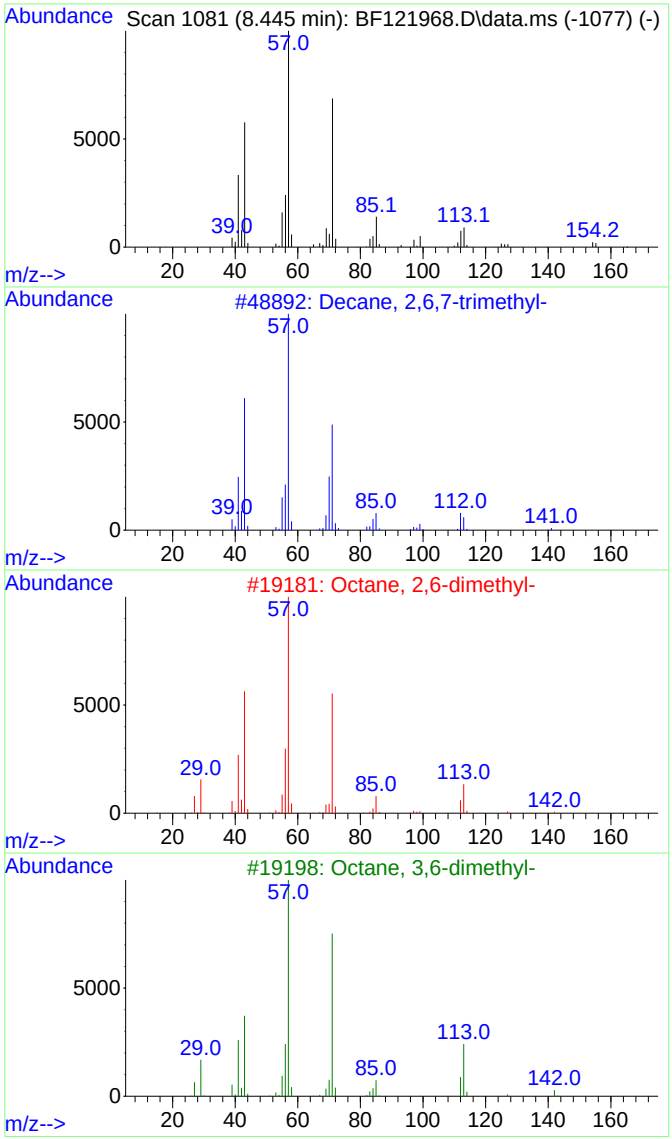
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

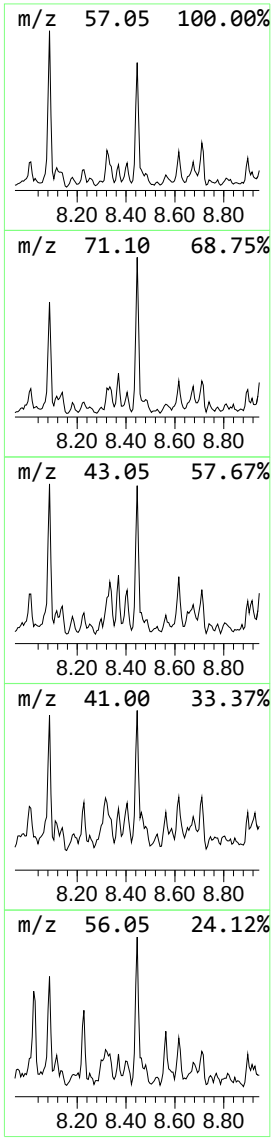
****

Peak Number 4 Decane, 2,6,7-trimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.445	2.75 ng	125790	Naphthalene-d8	8.028

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 2,6,7-trimethyl-	184	C13H28	062108-25-2	83
2	Octane, 2,6-dimethyl-	142	C10H22	002051-30-1	78
3	Octane, 3,6-dimethyl-	142	C10H22	015869-94-0	72
4	Sulfurous acid, decyl 2-ethylhex...	334	C18H38O3S	1000309-19-3	72
5	Undecane, 6,6-dimethyl-	184	C13H28	017312-76-4	59





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
Data File : BF121968.D
Acq On : 14 Oct 2020 20:40
Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

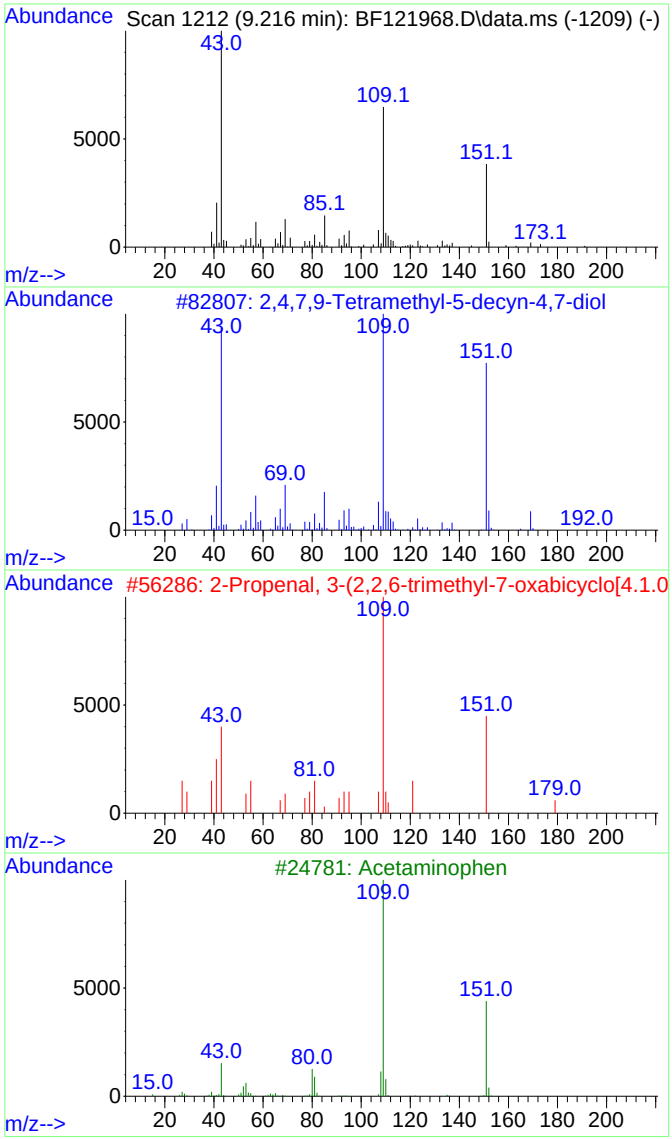
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

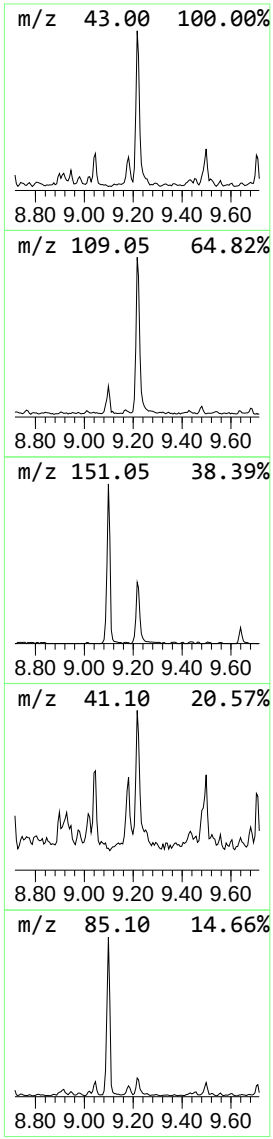
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 5 2,4,7,9-Tetramethyl-5-decyn... Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.216	5.58 ng	269221	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	86
2	2-Propenal, 3-(2,2,6-trimethyl-7...	194	C12H18O2	055759-91-6	50
3	Acetaminophen	151	C8H9NO2	000103-90-2	49
4	Metacetamol	151	C8H9NO2	000621-42-1	47
5	1-(1,2,3-Trimethyl-cyclopent-2-e...	152	C10H16O	070987-81-4	30





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Acq On : 14 Oct 2020 20:40
Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
TR-08-101320

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

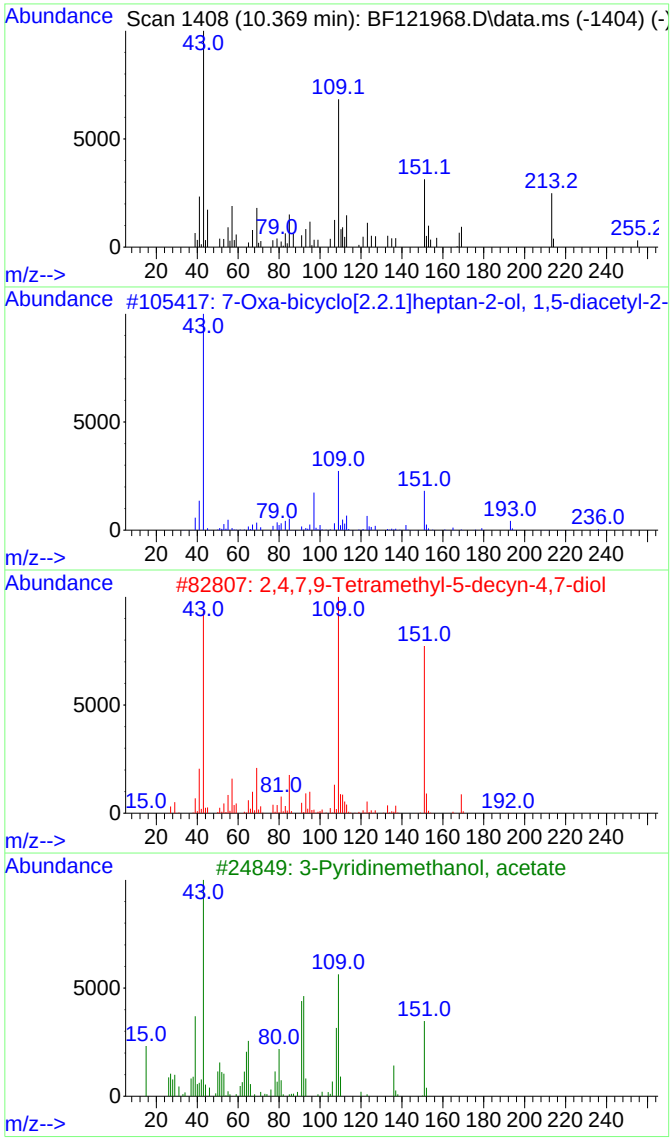
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

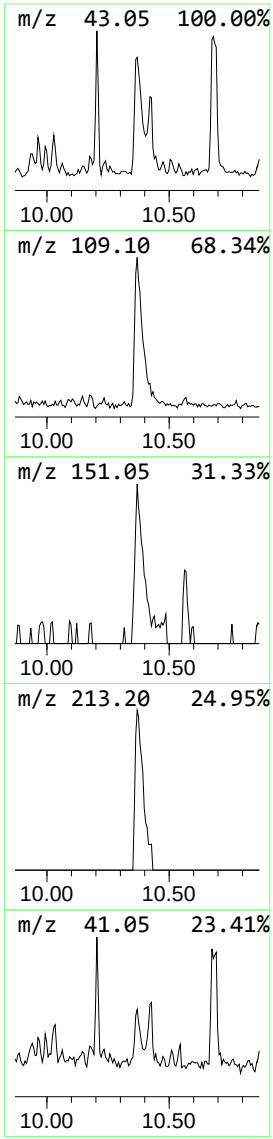
****

Peak Number 6 unknown10.369 Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.369	2.35 ng	113426	Acenaphthene-d10	9.775

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxa-bicyclo[2.2.1]heptan-2-ol,...	254	C14H22O4	329362-13-2	40
2	2,4,7,9-Tetramethyl-5-decyn-4,7-...	226	C14H26O2	000126-86-3	38
3	3-Pyridinemethanol, acetate	151	C8H9NO2	010072-09-0	27
4	Acetaminophen	151	C8H9NO2	000103-90-2	27
5	Benzenamine, 4-propoxy-	151	C9H13NO	004469-80-1	27





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Sample : L4226-07
Misc :
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Instrument :
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ClientSampleId :
TR-08-101320

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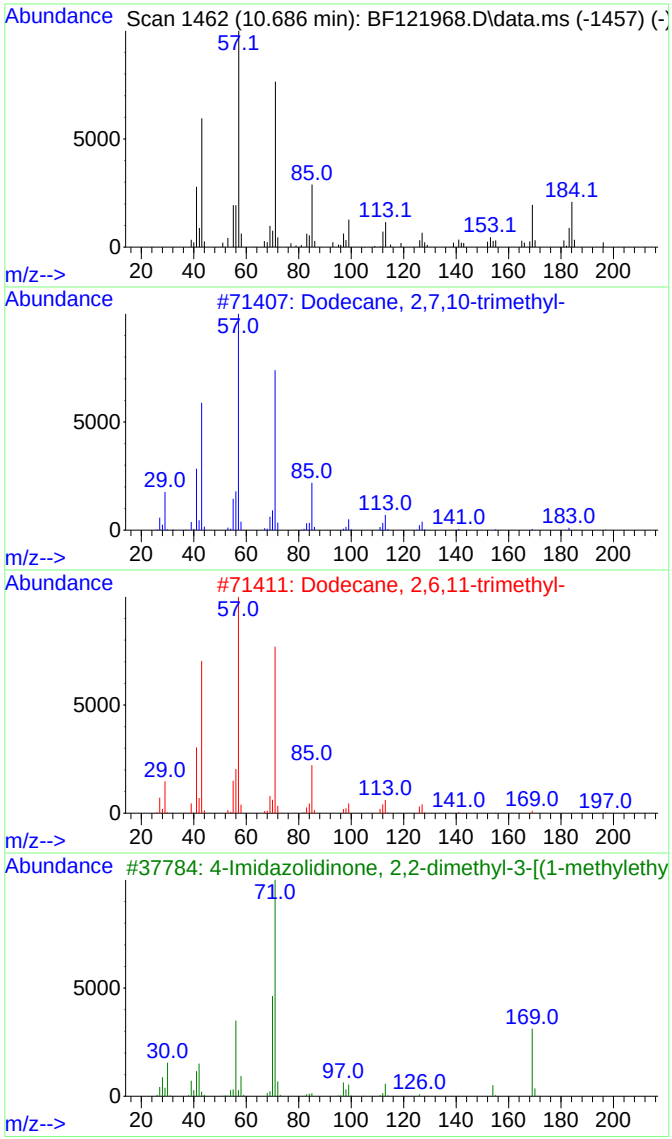
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

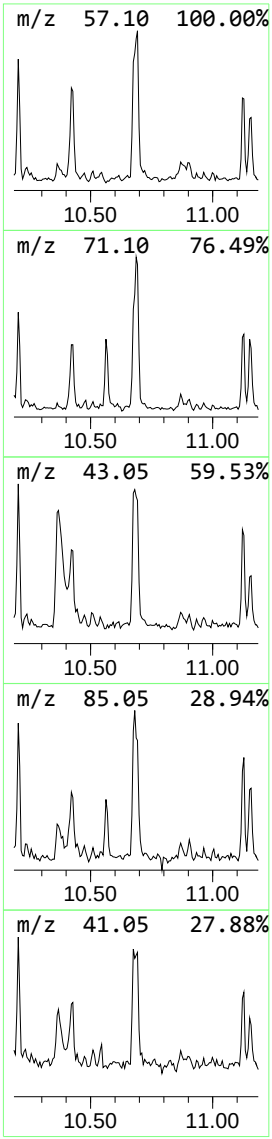
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Dodecane, 2,7,10-trimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.686	3.75 ng	165319	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane, 2,7,10-trimethyl-	212	C15H32	074645-98-0	64
2	Dodecane, 2,6,11-trimethyl-	212	C15H32	031295-56-4	64
3	4-Imidazolidinone, 2,2-dimethyl-...	169	C8H15N3O	142071-78-1	60
4	Dodecane, 2,6,10-trimethyl-	212	C15H32	003891-98-3	58
5	Heptacosane	380	C27H56	000593-49-7	52





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ClientSampleId : TR-08-101320

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

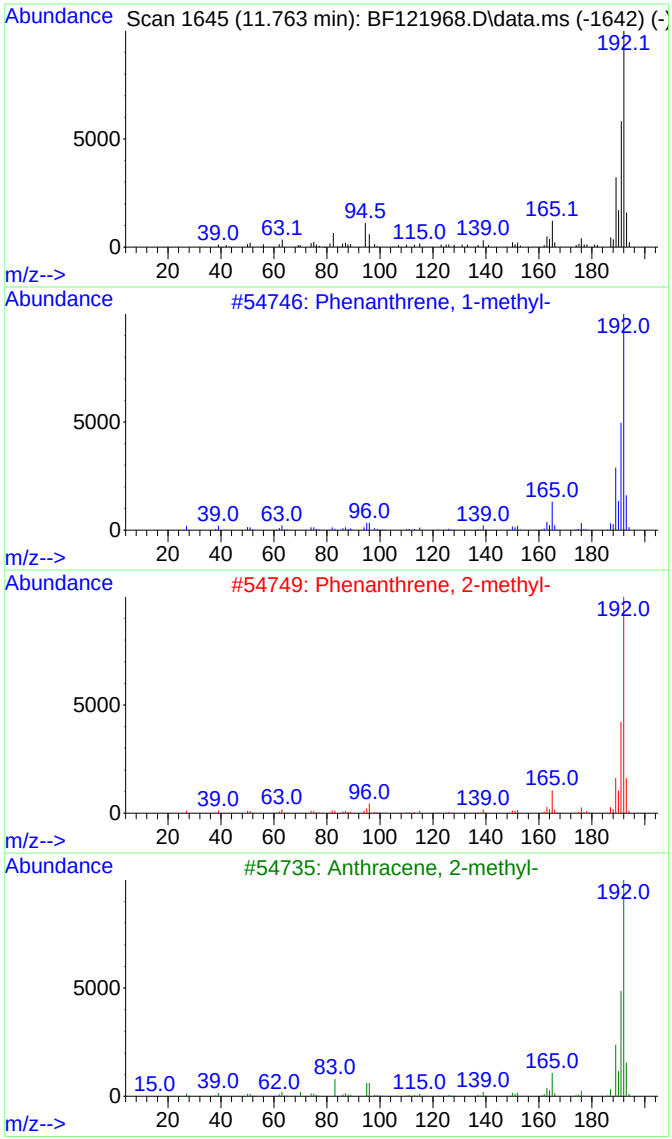
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

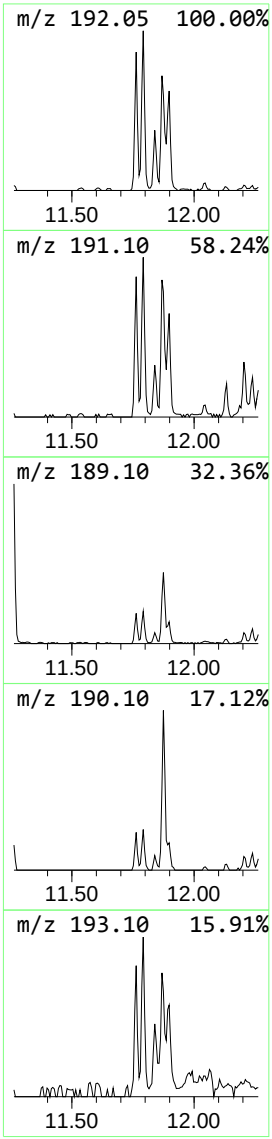
****

Peak Number 8 Phenanthrene, 1-methyl- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.763	2.19 ng	96410	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	97
2	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	96
3	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
4	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
5	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	93





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Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

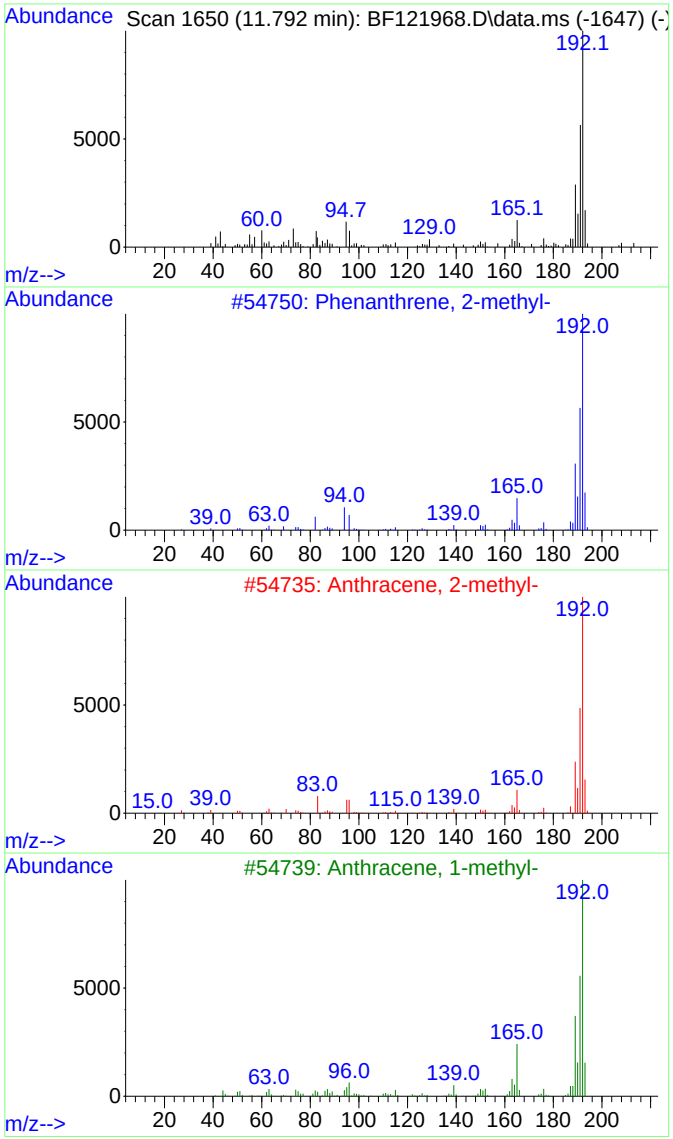
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

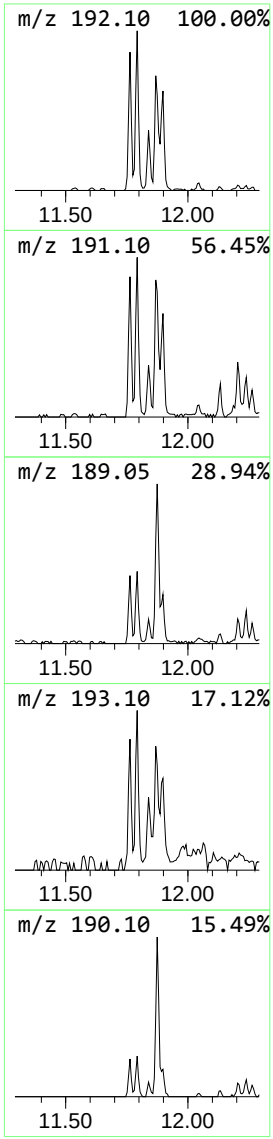
****

Peak Number 9 Phenanthrene, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.792	3.34 ng	147313	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	97
2	Anthracene, 2-methyl-	192	C15H12	000613-12-7	96
3	Anthracene, 1-methyl-	192	C15H12	000610-48-0	95
4	1H-Cyclopropa[l]phenanthrene,1a,...	192	C15H12	000949-41-7	94
5	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	94





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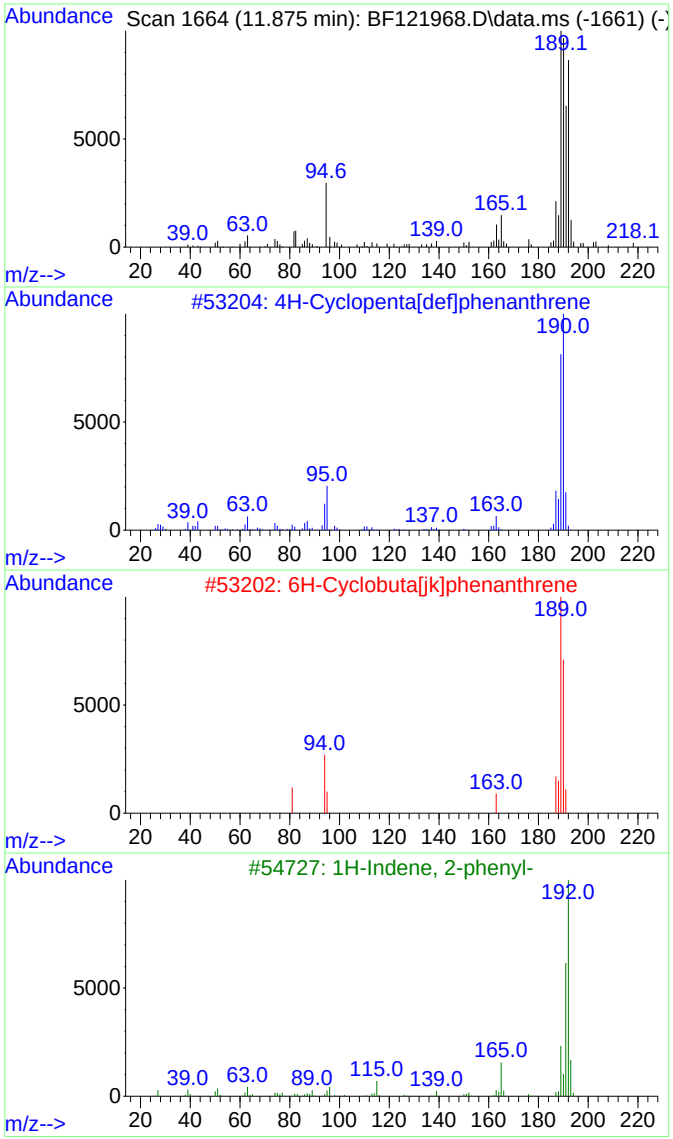
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

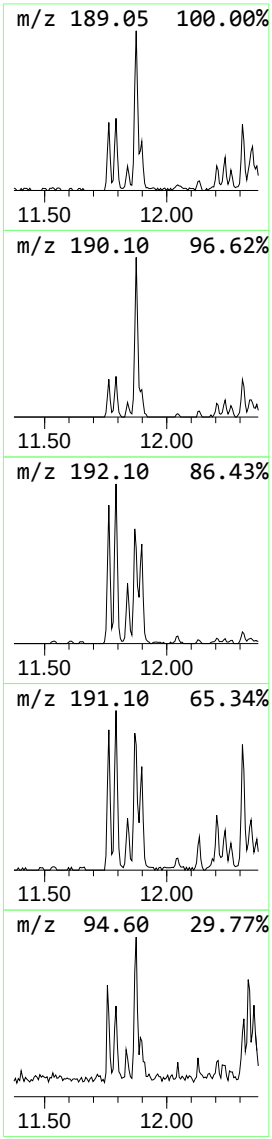
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.874	3.74 ng	164956	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	55
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	49
3	1H-Indene, 2-phenyl-	192	C15H12	004505-48-0	42
4	8,9-Dihydrocyclopenta[def]phenan...	192	C15H12	027410-55-5	42
5	Phenanthrene, 4-methyl-	192	C15H12	000832-64-4	42





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Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

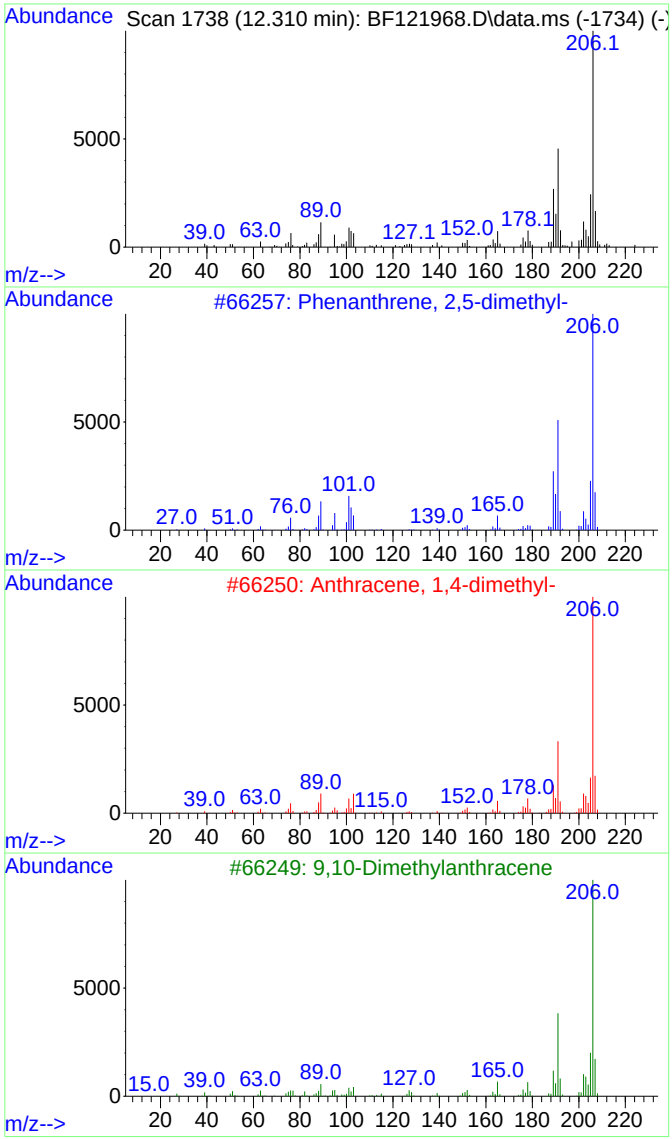
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

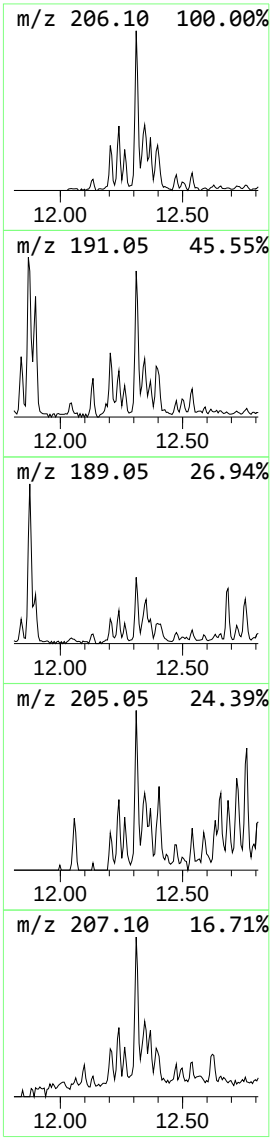
****

Peak Number 11 Phenanthrene, 2,5-dimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.310	3.38 ng	148875	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Phenanthrene, 2,5-dimethyl-	206	C16H14	003674-66-6	96
2	Anthracene, 1,4-dimethyl-	206	C16H14	000781-92-0	94
3	9,10-Dimethylanthracene	206	C16H14	000781-43-1	94
4	Phenanthrene, 1,7-dimethyl-	206	C16H14	000483-87-4	93
5	Phenanthrene, 2,3-dimethyl-	206	C16H14	003674-65-5	93





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Sample : L4226-07
Misc :
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Instrument : BNA_F
ClientSampleId : TR-08-101320

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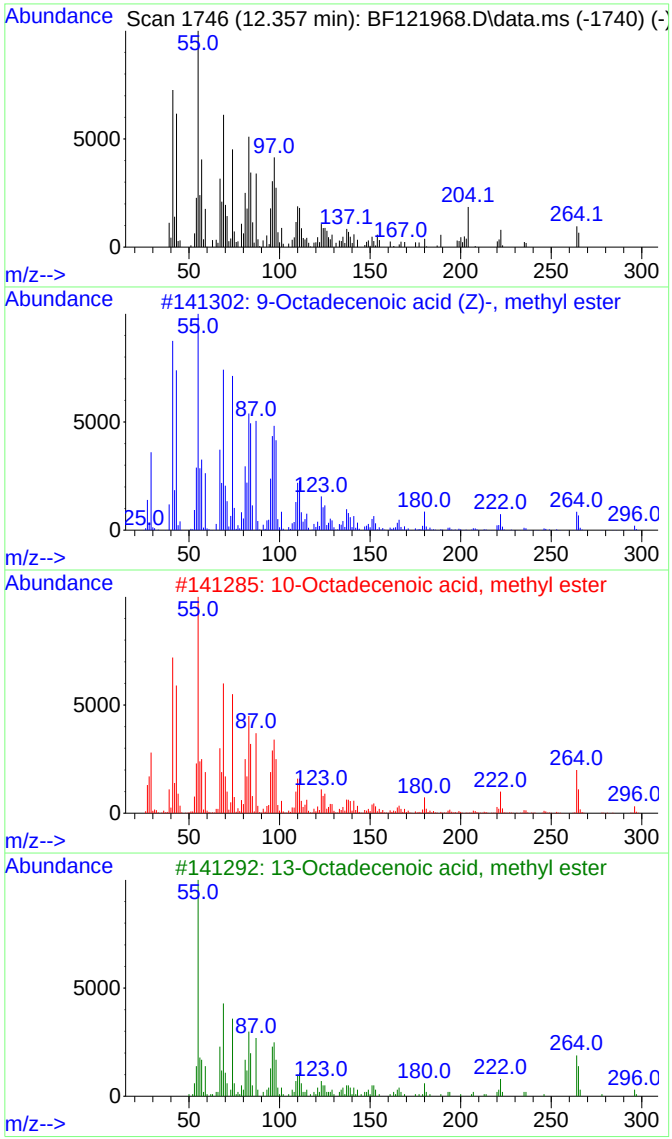
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

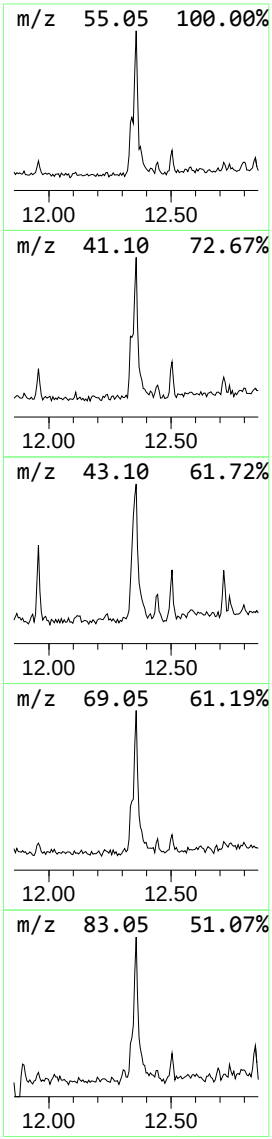
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 9-Octadecenoic acid (Z)-, m... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.357	9.98 ng	440117	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	9-Octadecenoic acid (Z)-, methyl...	296	C19H36O2	000112-62-9	95
2	10-Octadecenoic acid, methyl ester	296	C19H36O2	013481-95-3	91
3	13-Octadecenoic acid, methyl ester	296	C19H36O2	056554-47-3	90
4	trans-13-Octadecenoic acid, meth...	296	C19H36O2	1000333-61-3	74
5	9-Octadecenoic acid, (E)-	282	C18H34O2	000112-79-8	70





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Instrument : BNA_F
ClientSampleId : TR-08-101320

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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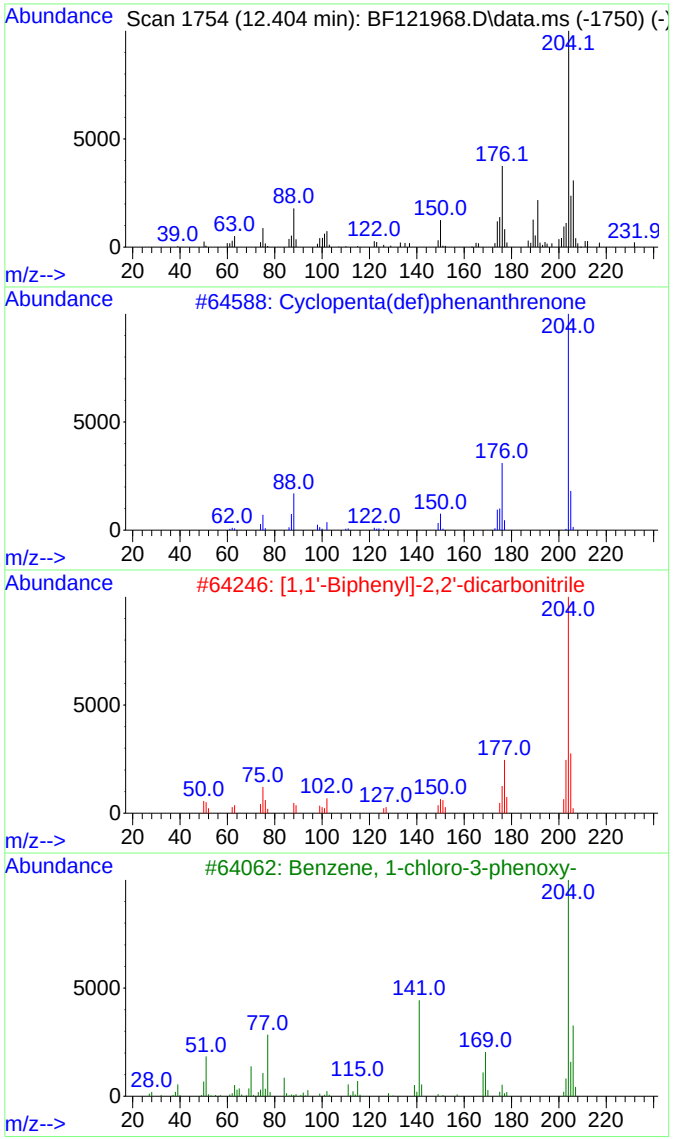
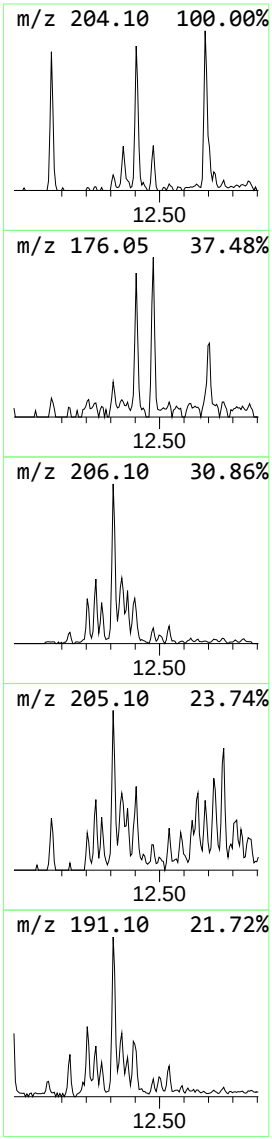
Peak Number 13 Cyclopenta(def)phenanthrenone Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.404	2.80 ng	123359	Phenanthrene-d10	11.263

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopenta(def)phenanthrenone	204	C15H8O	005737-13-3	64
2	[1,1'-Biphenyl]-2,2'-dicarbonitrile	204	C14H8N2	004341-02-0	49
3	Benzene, 1-chloro-3-phenoxy-	204	C12H9ClO	006452-49-9	47
4	1,2,4,8-Tetramethylbicyclo[6.3.0...	204	C15H24	137235-51-9	46
5	[1,1'-Biphenyl]-4-ol, 4'-chloro-	204	C12H9ClO	028034-99-3	43





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ClientSampleId : TR-08-101320

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

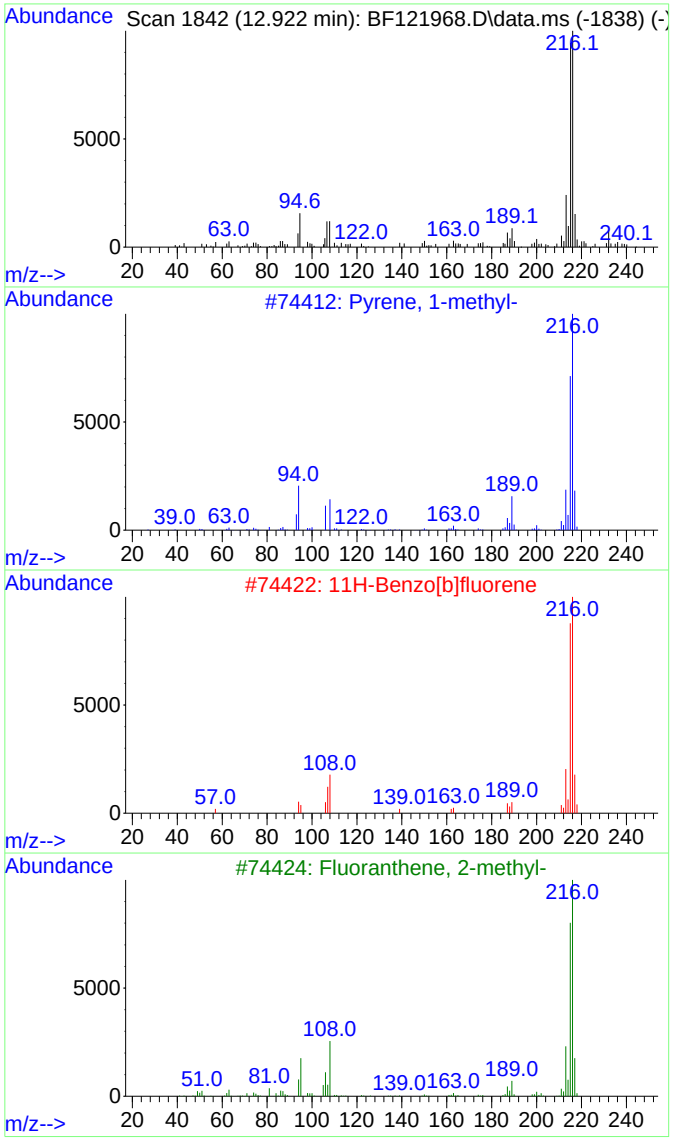
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

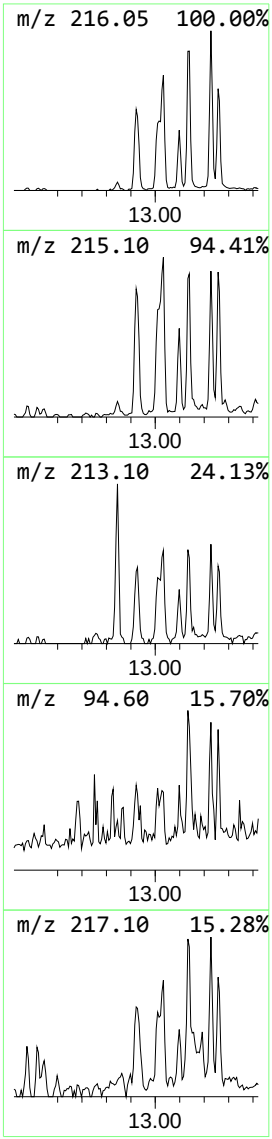
****

Peak Number 14 Pyrene, 1-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.922	2.89 ng	180789	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	93
2	11H-Benzo[b]fluorene	216	C17H12	000243-17-4	89
3	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	81
4	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	70
5	Pyrene, 2-methyl-	216	C17H12	003442-78-2	64





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ClientSampleId :
TR-08-101320

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

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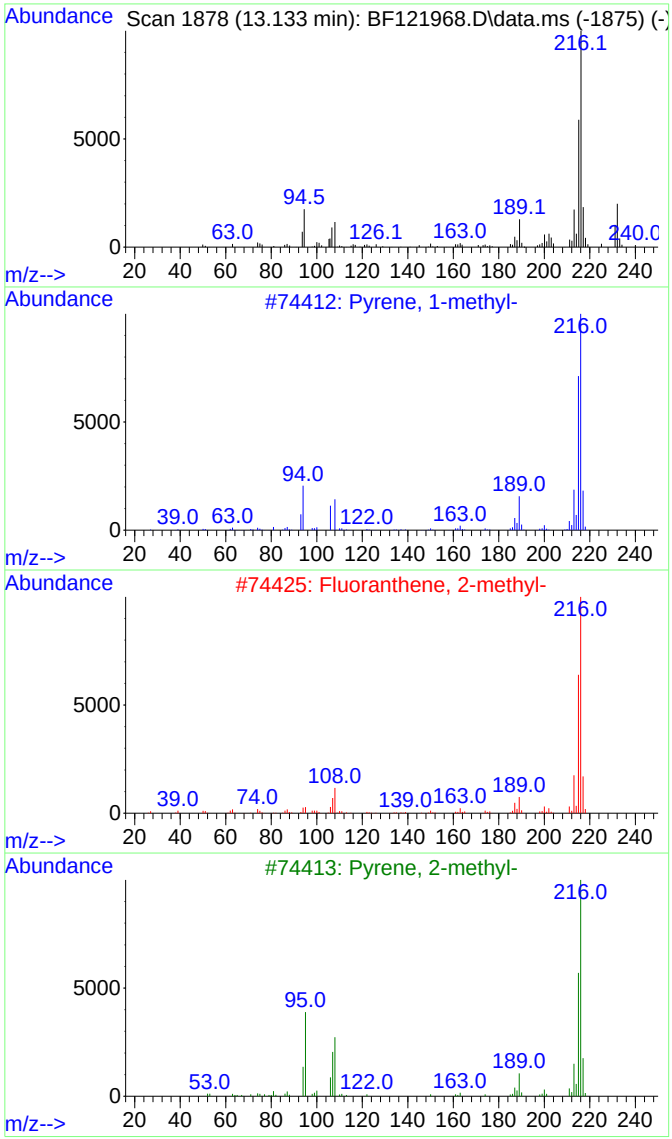
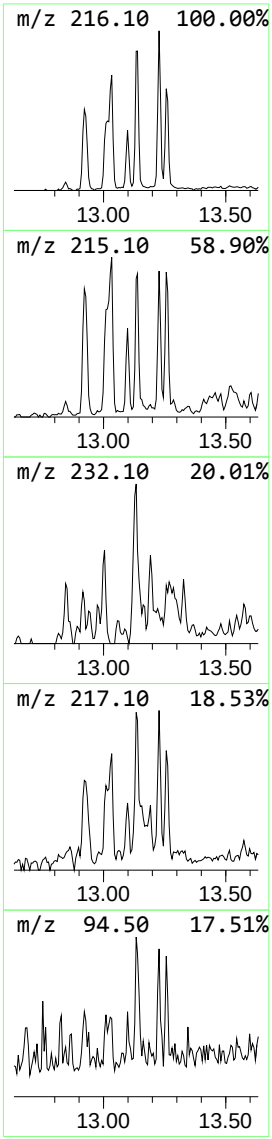
Peak Number 15 Fluoranthene, 2-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.133	3.30 ng	206424	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pyrene, 1-methyl-	216	C17H12	002381-21-7	98
2	Fluoranthene, 2-methyl-	216	C17H12	033543-31-6	94
3	Pyrene, 2-methyl-	216	C17H12	003442-78-2	93
4	Pyrene, 4-methyl-	216	C17H12	003353-12-6	92
5	11H-Benzo[a]fluorene	216	C17H12	000238-84-6	81





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Instrument : BNA_F
ClientSampleId : TR-08-101320

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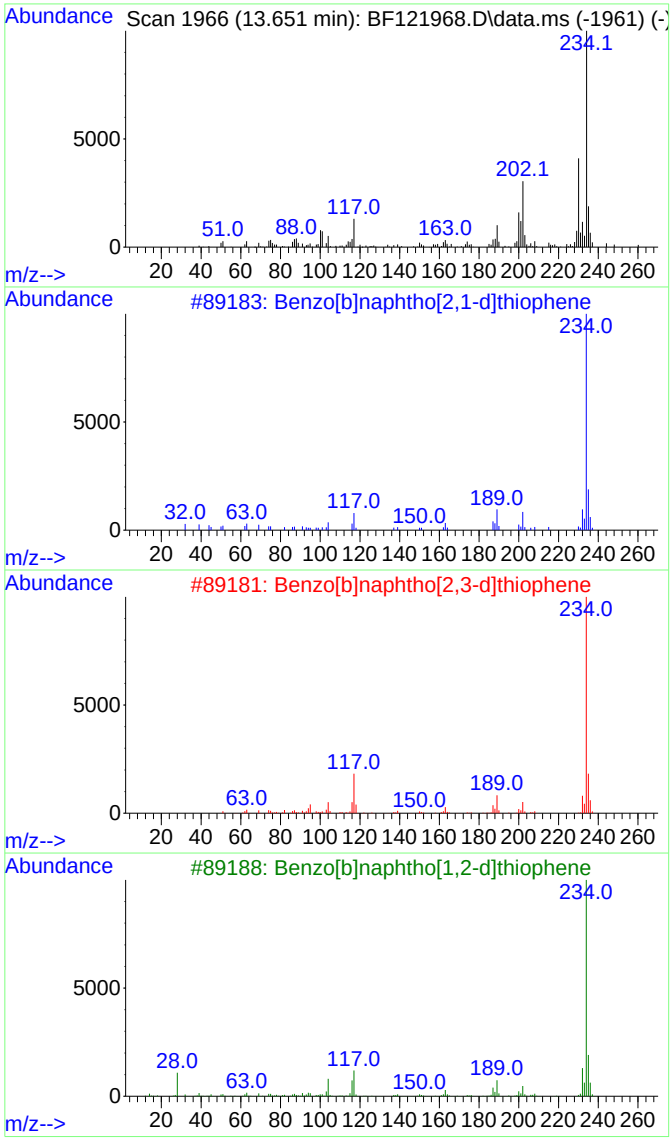
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

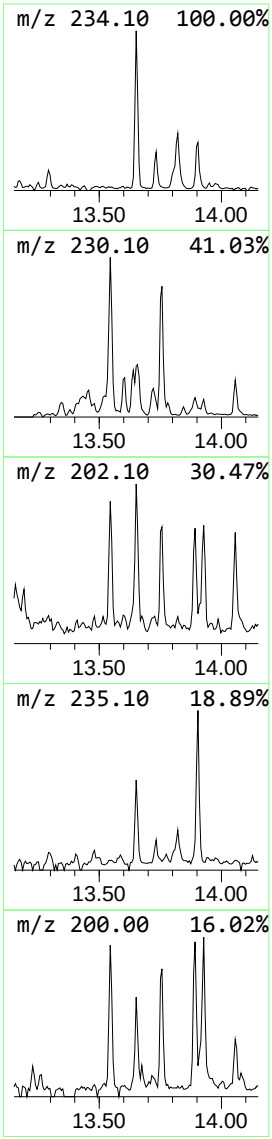
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.651	2.56 ng	160114	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[b]naphtho[2,1-d]thiophene	234	C16H10S	000239-35-0	93
2	Benzo[b]naphtho[2,3-d]thiophene	234	C16H10S	000243-46-9	78
3	Benzo[b]naphtho[1,2-d]thiophene	234	C16H10S	000205-43-6	60
4	Anthra(1,2-b)thiophene	234	C16H10S	000227-86-1	55
5	Anthra(2,3-b)thiophene	234	C16H10S	022108-55-0	46





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Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

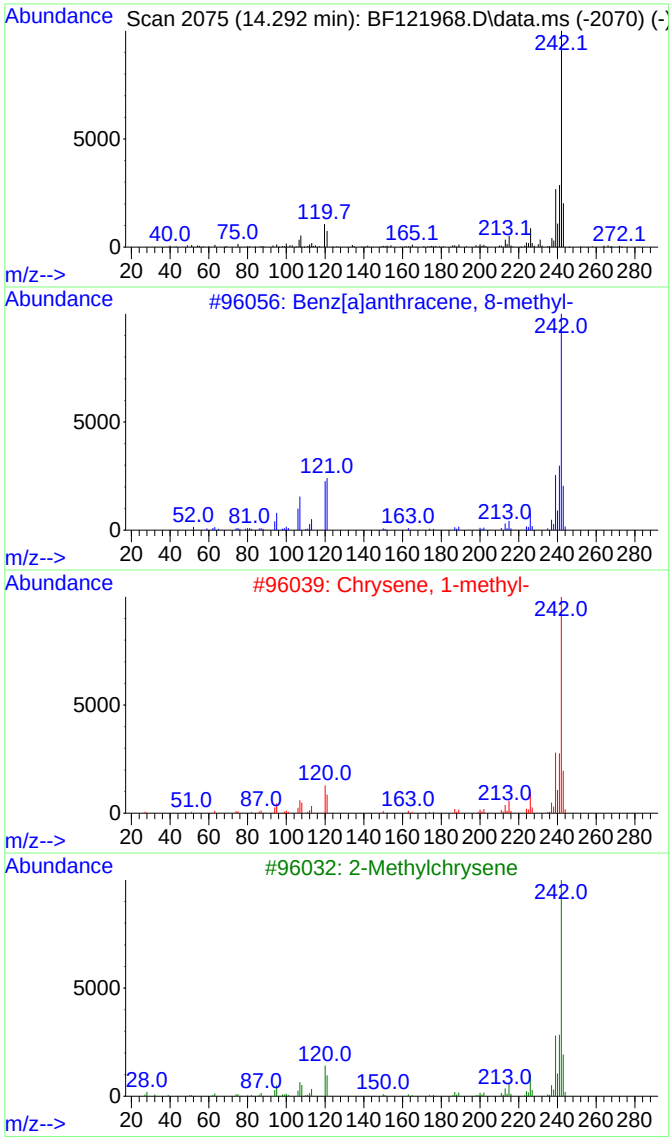
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

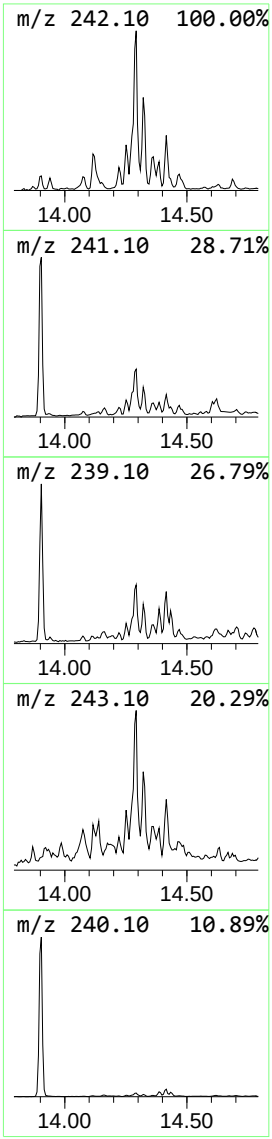
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 17 Benz[a]anthracene, 8-methyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.292	2.59 ng	161823	Chrysene-d12	13.904

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benz[a]anthracene, 8-methyl-	242	C19H14	002381-31-9	95
2	Chrysene, 1-methyl-	242	C19H14	003351-28-8	93
3	2-Methylchrysene	242	C19H14	003351-32-4	93
4	Triphenylene, 2-methyl-	242	C19H14	001705-84-6	92
5	Chrysene, 6-methyl-	242	C19H14	001705-85-7	90





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Data File : BF121968.D
Acq On : 14 Oct 2020 20:40
Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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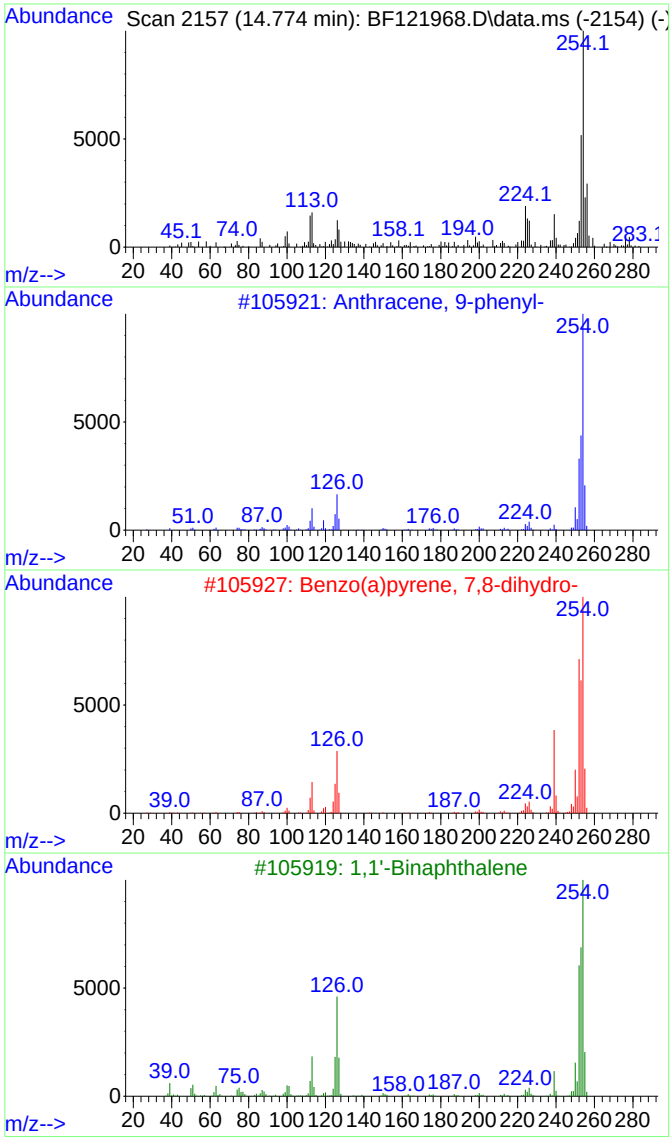
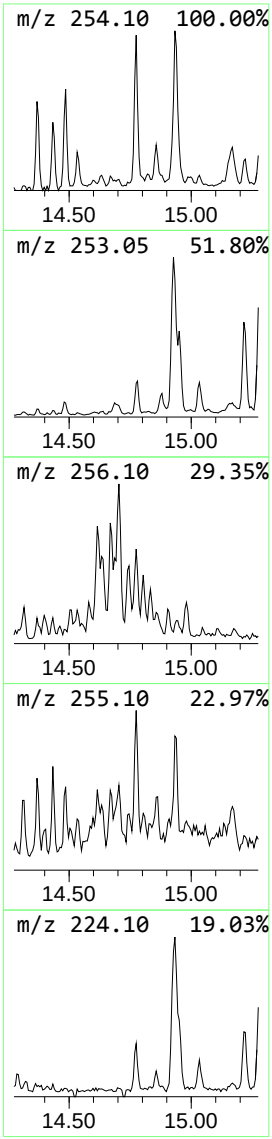
Peak Number 18 Anthracene, 9-phenyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.774	2.23 ng	78135	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Anthracene, 9-phenyl-	254	C20H14	000602-55-1	60
2	Benzo(a)pyrene, 7,8-dihydro-	254	C20H14	017573-23-8	58
3	1,1'-Binaphthalene	254	C20H14	000604-53-5	53
4	Benzo(e)pyrene, 9,10-dihydro-	254	C20H14	066788-01-0	53
5	2,6-(Etheno[1,4]benzenoetheno)na...	254	C20H14	117054-70-3	53





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Data File : BF121968.D
Acq On : 14 Oct 2020 20:40
Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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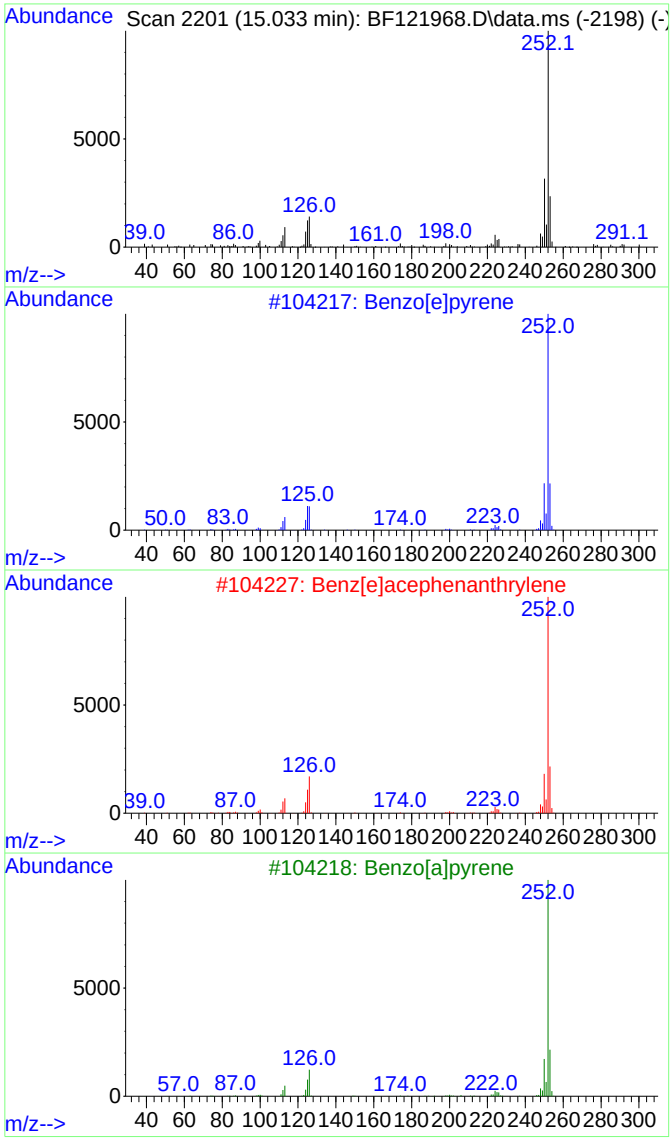
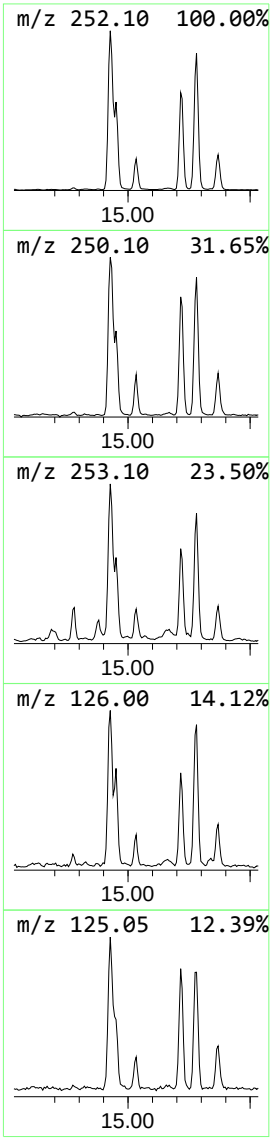
Peak Number 19 Benzo[e]pyrene Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.033	2.58 ng	90146	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	97
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	97
3	Benzo[a]pyrene	252	C20H12	000050-32-8	95
4	Benzo[k]fluoranthene	252	C20H12	000207-08-9	95
5	Benzo[j]fluoranthene	252	C20H12	000205-82-3	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
Data File : BF121968.D
Acq On : 14 Oct 2020 20:40
Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

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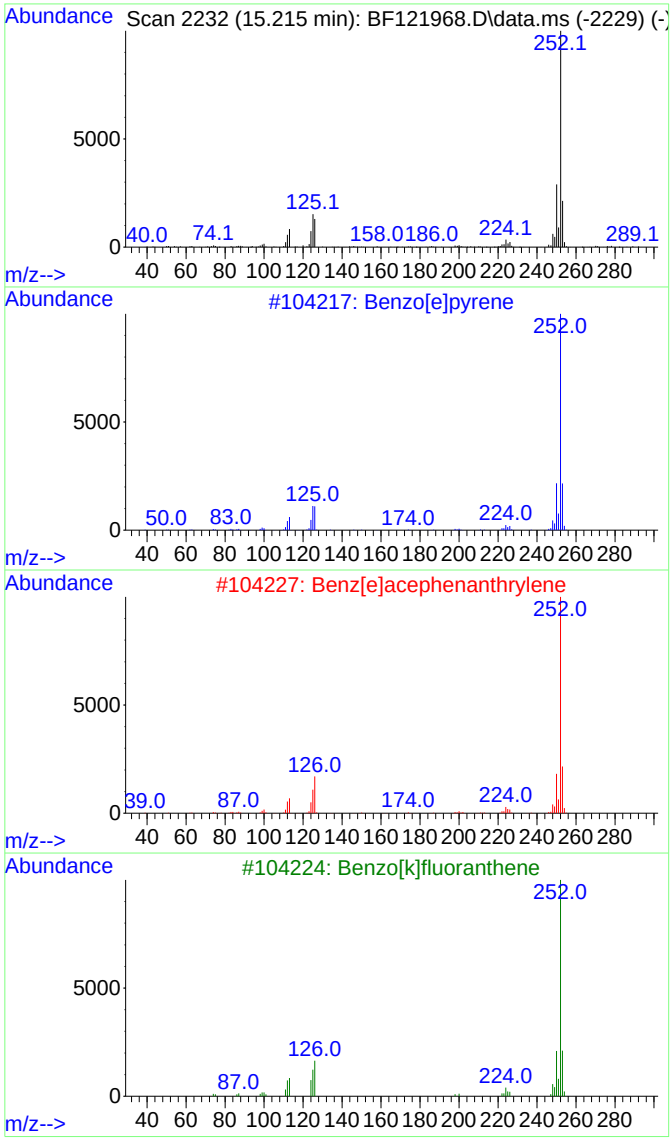
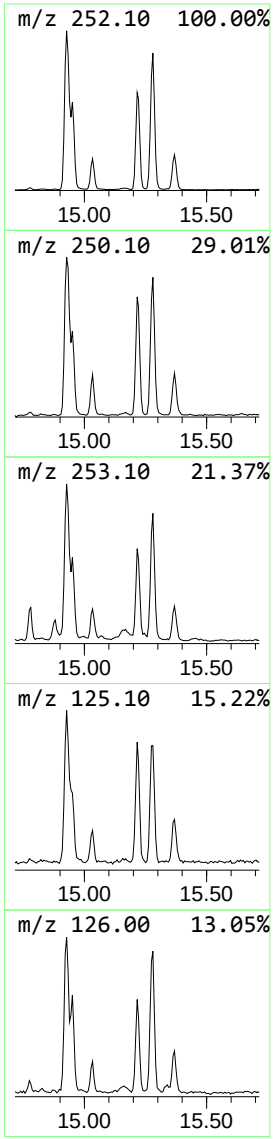
Peak Number 20 Perylene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.216	9.54 ng	333747	Perylene-d12	15.339

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	98
3	Benzo[k]fluoranthene	252	C20H12	000207-08-9	97
4	Benzo[a]pyrene	252	C20H12	000050-32-8	96
5	Perylene	252	C20H12	000198-55-0	94





Tentatively Identified Compound (LSC) summary

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101420\
Data File : BF121968.D
Acq On : 14 Oct 2020 20:40
Operator : JU/CG
Sample : L4226-07
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : TR-08-101320

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF101220.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
2-Pentanone, 4-...	4.951	3.4	ng	113929	1	6.740	669848	20.0
Undecane, 2,6-d...	8.087	2.6	ng	117427	2	8.028	913876	20.0
Cyclohexane, (4...	8.316	2.1	ng	94287	2	8.028	913876	20.0
Decane, 2,6,7-t...	8.445	2.8	ng	125790	2	8.028	913876	20.0
2,4,7,9-Tetrame...	9.216	5.6	ng	269221	3	9.775	964104	20.0
unknown10.369	10.369	2.4	ng	113426	3	9.775	964104	20.0
Dodecane, 2,7,1...	10.686	3.8	ng	165319	4	11.263	881797	20.0
Phenanthrene, 1...	11.763	2.2	ng	96410	4	11.263	881797	20.0
Phenanthrene, 2...	11.792	3.3	ng	147313	4	11.263	881797	20.0
4H-Cyclopenta[d...	11.874	3.7	ng	164956	4	11.263	881797	20.0
Phenanthrene, 2...	12.310	3.4	ng	148875	4	11.263	881797	20.0
9-Octadecenoic ...	12.357	10.0	ng	440117	4	11.263	881797	20.0
Cyclopenta(def)...	12.404	2.8	ng	123359	4	11.263	881797	20.0
Pyrene, 1-methyl-	12.922	2.9	ng	180789	5	13.904	1250530	20.0
Fluoranthene, 2...	13.133	3.3	ng	206424	5	13.904	1250530	20.0
Benzo[b]naphtho...	13.651	2.6	ng	160114	5	13.904	1250530	20.0
Benz[a]anthrace...	14.292	2.6	ng	161823	5	13.904	1250530	20.0
Anthracene, 9-p...	14.774	2.2	ng	78135	6	15.339	699582	20.0
Benzo[e]pyrene	15.033	2.6	ng	90146	6	15.339	699582	20.0
Perylene	15.216	9.5	ng	333747	6	15.339	699582	20.0