LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.163	6	13	21	rVB	385837	510194	10.47%	0.985%
2	5.122	513	516	527	rBV	137558	221591	4.55%	0.428%
3	5.504	576	581	584	rBV	4307247	4730693	97.04%	9.131%
4	6.516	747	753	770	rBV	3814746	4875150	100.00%	9.410%
5	6.645	770	775	779	rBV	4013118	4550394	93.34%	8.783%
6	6.869	810	813	820	rBV	1098701	1016425	20.85%	1.962%
7	7.028	836	840	844	rBV	3392842	3396018	69.66%	6.555%
8	7.439	905	910	913	rBV	2938611	3219384	66.04%	6.214%
9	8.157	1028	1032	1034	rBV	1509568	1470293	30.16%	2.838%
10	8.175	1034	1035	1042	rVV	760861	595697	12.22%	1.150%
11	8.228	1042	1044	1056	rVB	52544	65271	1.34%	0.126%
12	8.869	1149	1153	1159	rBV2	95270	103940	2.13%	0.201%
13	8.969	1166	1170	1175	rVB	56783	54756	1.12%	0.106%
14	9.233	1209	1215	1218	rBV	3606281	3922250	80.45%	7.571%
15	9.298	1222	1226	1229	rVV2	51996	69146	1.42%	0.133%
16	9.333	1229	1232	1237	rVB2	47146	49965	1.02%	0.096%
17	9.622	1275	1281	1289	rVB	530209	505057	10.36%	0.975%
18	9.775	1304	1307	1312	rBV	132386	125043	2.56%	0.241%
19	9.827	1312	1316	1319	rBV	132282	102113	2.09%	0.197%
20	9.910	1325	1330	1334	rBV2	1405958	1310324	26.88%	2.529%
21	9.945	1334	1336	1339	rVB	137413	109219	2.24%	0.211%
22	10.004	1342	1346	1351	rVB4	53546	51218	1.05%	0.099%
23	10.080	1351	1359	1362	rBV6	31334	63556	1.30%	0.123%
24	10.116	1362	1365	1368	rBV	70923	77852	1.60%	0.150%
25	10.327	1398	1401	1404	rVB2	198960	156398	3.21%	0.302%
26	10.545	1430	1438	1441	rBV3	56706	80644	1.65%	0.156%
27	10.616	1445	1450	1456	rVV4	28722	60702	1.25%	0.117%
28	10.710	1461	1466	1475	rVV	2074115	2360658	48.42%	4.557%
29	10.798	1478	1481	1485	rVV	174662	205932	4.22%	0.398%
30	10.833	1485	1487	1492	rVB3	47059	54071	1.11%	0.104%
31	10.992	1511	1514	1519	rBV4	54530	65403	1.34%	0.126%
32	11.174	1543	1545	1548	rVB	108723	92266	1.89%	0.178%
33	11.251	1555	1558	1561	rBV	109248	98517	2.02%	0.190%
34	11.351	1569	1575	1580	rVB2	120712	161025	3.30%	0.311%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.404	1580	1584	1586	rBV	1200578	1056240	21.67%	2.039%
36	11.427	1586	1588	1591	rVV	413042	331489	6.80%	0.640%
37	11.480	1594	1597	1601	rVB	88420	83843	1.72%	0.162%
38	11.616	1617	1620	1622	rBV2	65662	70717	1.45%	0.137%
39	11.651	1622	1626	1629	rVV4	193605	256926	5.27%	0.496%
40	11.680	1629	1631	1636	rVB2	223141	233232	4.78%	0.450%
41	11.786	1646	1649	1652	rBV	412026	355276	7.29%	0.686%
42	11.880	1662	1665	1668	rBV	239429	232990	4.78%	0.450%
43	11.916	1668	1671	1673	rVV3	92339	108379	2.22%	0.209%
44	11.945	1673	1676	1679	rVV4	233942	260543	5.34%	0.503%
45	11.980	1679	1682	1686	rVV2	520554	573173	11.76%	1.106%
46	12.016	1686	1688	1695	rVV2	267717	296973	6.09%	0.573%
47	12.086	1696	1700	1706	rVV3	450734	553501	11.35%	1.068%
48	12.151	1706	1711	1713	rVV3	153285	237529	4.87%	0.458%
49	12.174	1713	1715	1717	rVV2	129955	132514	2.72%	0.256%
50	12.198	1717	1719	1722	rVB2	138481	110062	2.26%	0.212%
51	12.233	1722	1725	1726	rBV	139929	136411	2.80%	0.263%
52	12.251	1726	1728	1734	rVB2	257446	261879	5.37%	0.505%
53	12.339	1738	1743	1745	rBV4	76210	110998	2.28%	0.214%
54	12.421	1753	1757	1761	rVV	464947	539915	11.07%	1.042%
55	12.474	1763	1766	1768	rVV	67000	75176	1.54%	0.145%
56	12.516	1770	1773	1776	rVB	120527	116193	2.38%	0.224%
57	12.621	1787	1791	1795	rBV	609706	598183	12.27%	1.155%
58	12.710	1803	1806	1809	rBV2	85054	110427	2.27%	0.213%
59	12.851	1824	1830	1836	rVB	618331	680590	13.96%	1.314%
60	12.951	1844	1847	1850	rBV	290753	302343	6.20%	0.584%
61	12.986	1850	1853	1857	rVB	2297412	2347409	48.15%	4.531%
62	13.074	1863	1868	1871	rBV4	44644	88907	1.82%	0.172%
63	13.174	1883	1885	1888	rVB	53124	49773	1.02%	0.096%
64	13.286	1901	1904	1908	rVB2	45331	51178	1.05%	0.099%
65	13.410	1922	1925	1929	rBV3	34461	53476	1.10%	0.103%
66	13.545	1943	1948	1951	rBV4	56759	76448	1.57%	0.148%
67	13.868	1998	2003	2007	rBV2	163357	215827	4.43%	0.417%
68	14.051	2029	2034	2037	rBV2	954995	1231158	25.25%	2.376%
69	14.080	2037	2039	2046	rVB	313633	298994	6.13%	0.577%
70	14.157	2050	2052	2055	rBV	79623	72958	1.50%	0.141%
71	14.192	2055	2058	2063	rBV3	57545	64433	1.32%	0.124%

LSC Area Percent Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

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:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	14.445	2099	2101	2104	rVB	61950	51267	1.05%	0.099%
73	14.504	2108	2111	2116	rVV2	60150	75690	1.55%	0.146%
74	14.809	2160	2163	2166	rVB	56345	63389	1.30%	0.122%
75	14.951	2184	2187	2191	rBV3	51143	57910	1.19%	0.112%
76	15.115	2210	2215	2218	rBV	544475	880706	18.07%	1.700%
77	15.221	2230	2233	2238	rBV	126412	146705	3.01%	0.283%
78	15.421	2263	2267	2273	rVB	390074	506520	10.39%	0.978%
79	15.492	2274	2279	2283	rVV	513205	663737	13.61%	1.281%
80	15.551	2284	2289	2293	rVV	573587	858835	17.62%	1.658%
81	15.586	2293	2295	2302	rVB	186910	220303	4.52%	0.425%
82	15.974	2359	2361	2369	rVB6	49538	80926	1.66%	0.156%
83	17.074	2541	2548	2556	rBV	281972	575180	11.80%	1.110%
84	17.250	2574	2578	2584	rBV	35870	60800	1.25%	0.117%
85	17.539	2620	2627	2637	rVB	226914	491837	10.09%	0.949%
86	17.798	2666	2671	2682	rVB3	59020	165410	3.39%	0.319%

Sum of corrected areas: 51806443

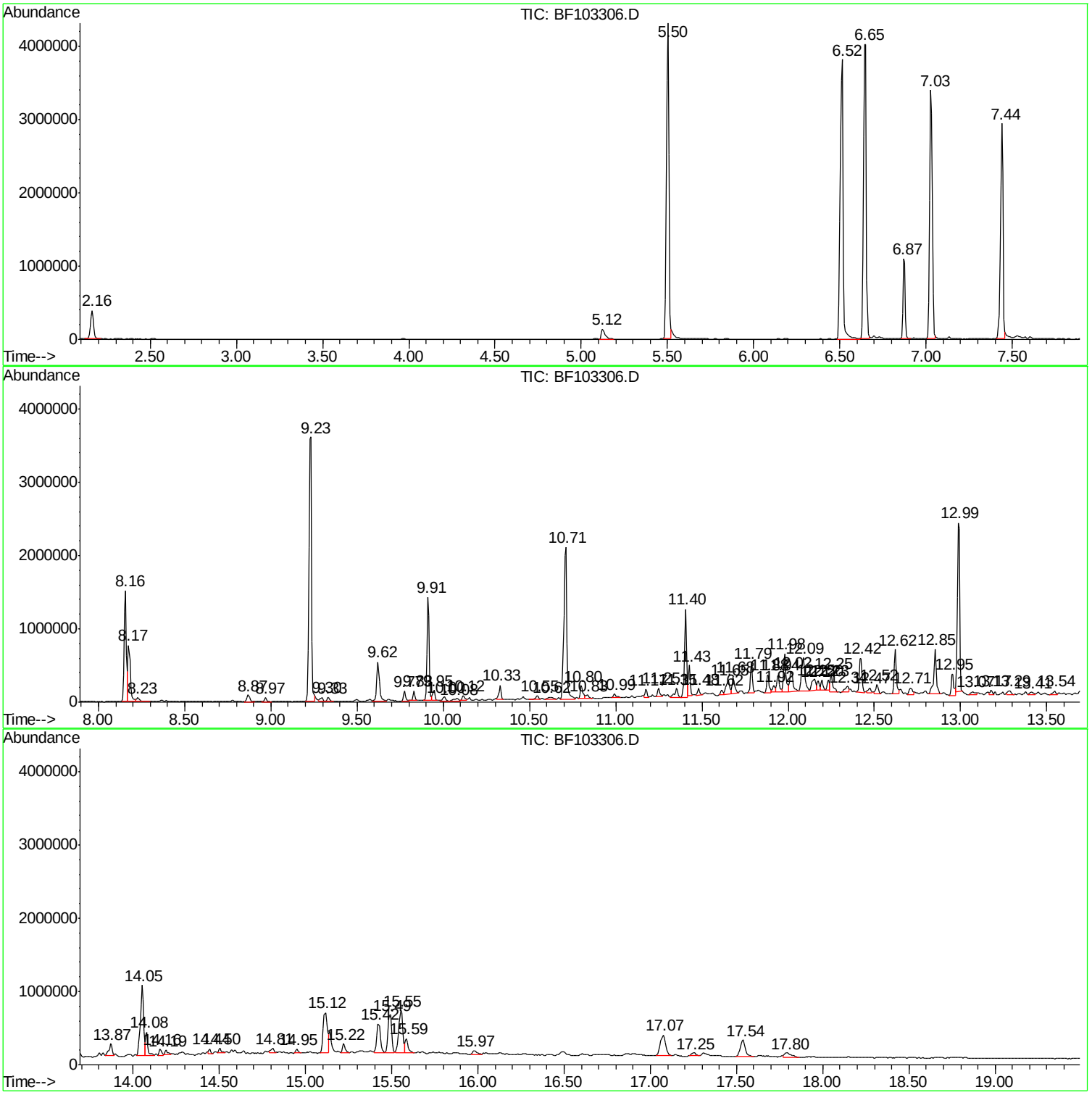
LSC Report - Integrated Chromatogram

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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



Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

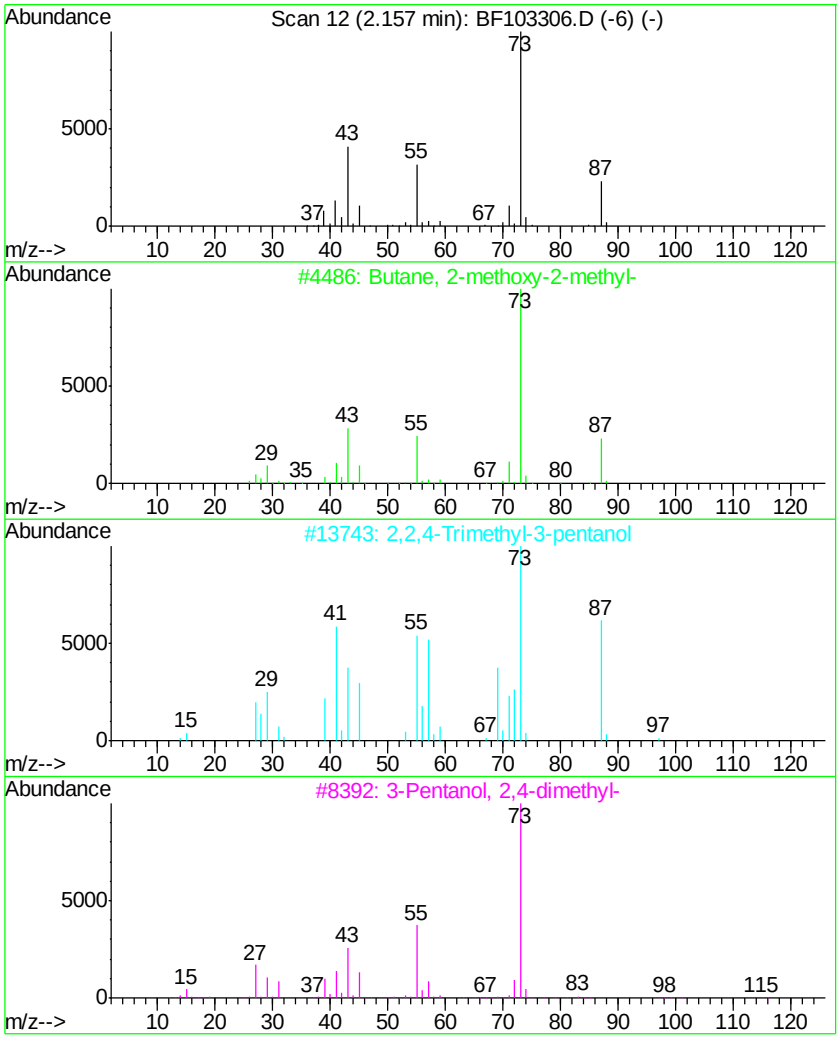
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

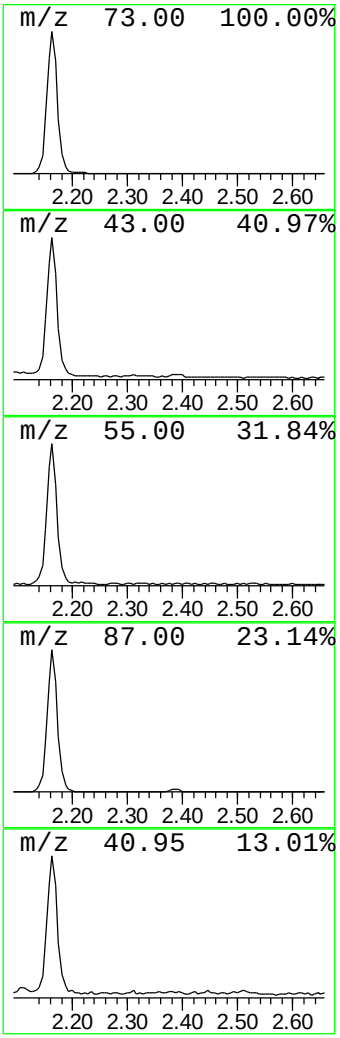
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.16	10.04 ng	510194	1,4-Dichlorobenzene-d4	6.87

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	40
3	3-Pentanol, 2,4-dimethyl-	116	C7H16O	000600-36-2	37
4	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	23
5	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	12





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

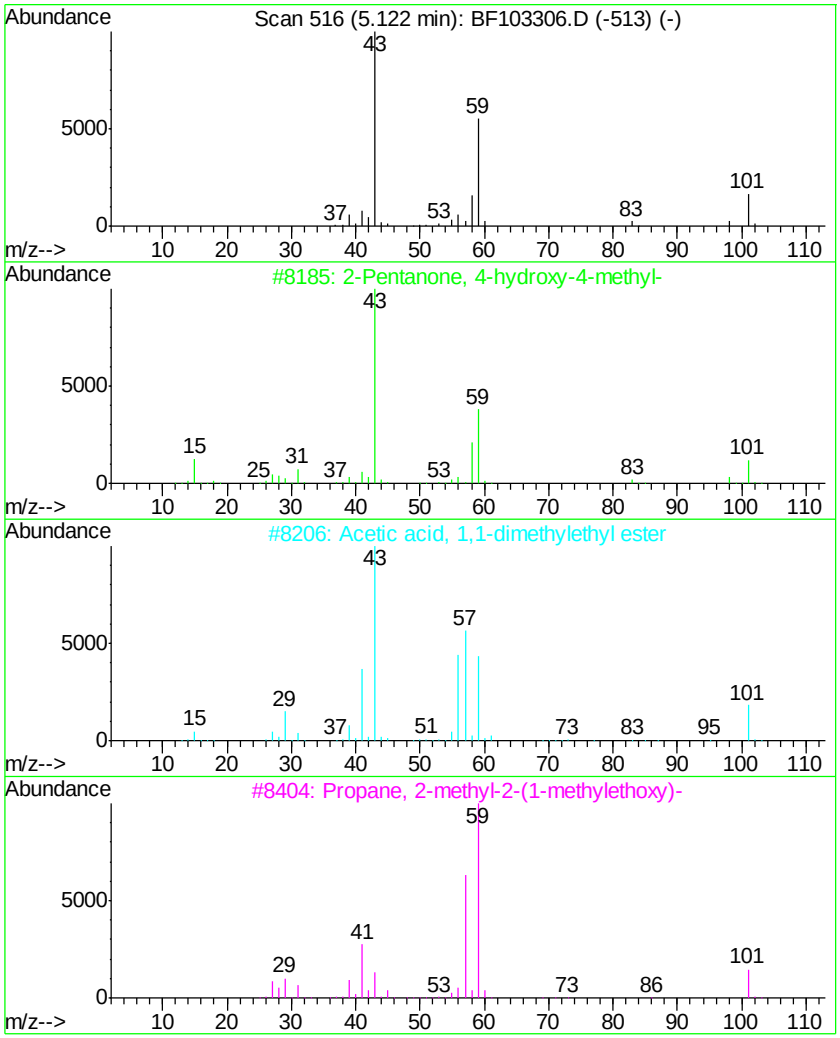
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

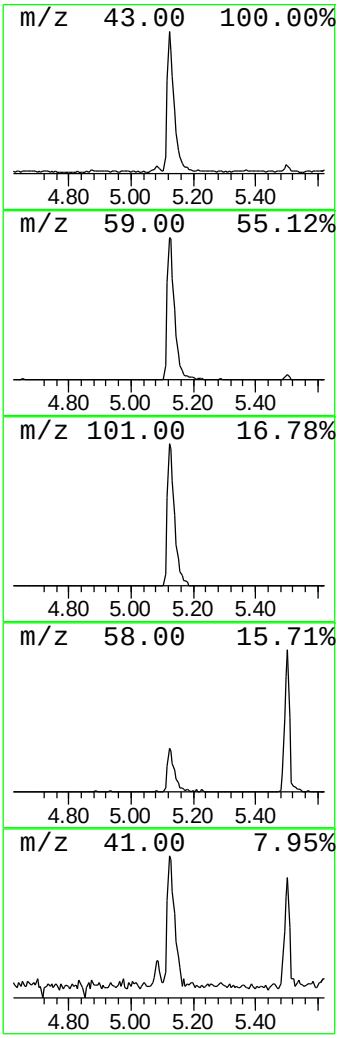
****

Peak Number 2 2-Pentanone, 4-hydroxy-4-me... Concentration Rank 16

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.12	4.36 ng	221591	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone, 4-hydroxy-4-methyl-	116	C6H12O2	000123-42-2	50
2	Acetic acid, 1,1-dimethylethyl e...	116	C6H12O2	000540-88-5	38
3	Propane, 2-methyl-2-(1-methyleth...	116	C7H16O	017348-59-3	36
4	Acetic acid, cyano-, 1,1-dimethy...	141	C7H11NO2	001116-98-9	25
5	Propane, 2-ethoxy-2-methyl-	102	C6H14O	000637-92-3	23





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

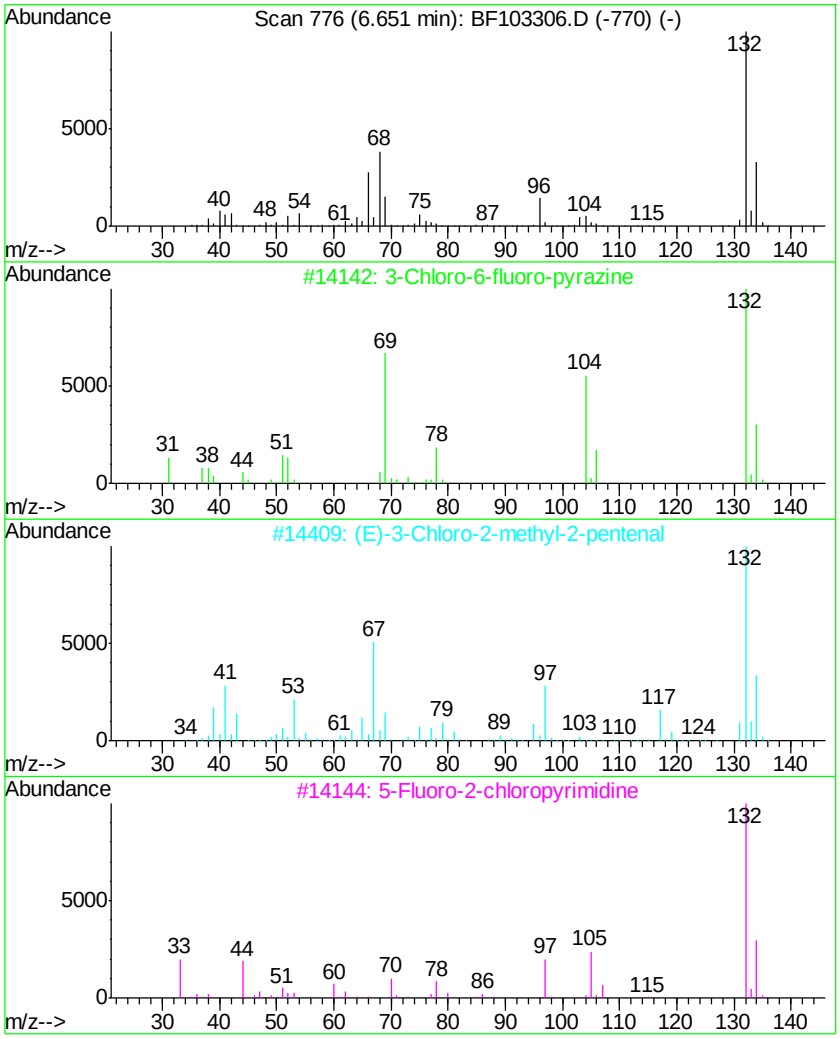
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

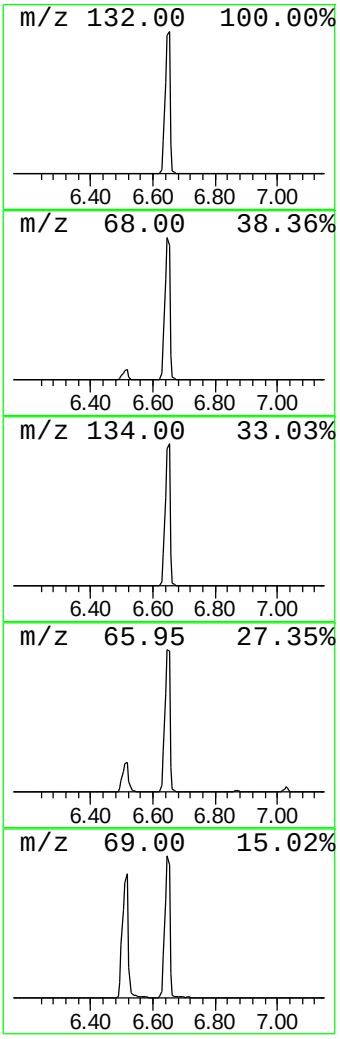
****

Peak Number 3 unknown6.65 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.65	89.54 ng	4550390	1,4-Dichlorobenzene-d4	6.87

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	35
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	17
3	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	16
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	10





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

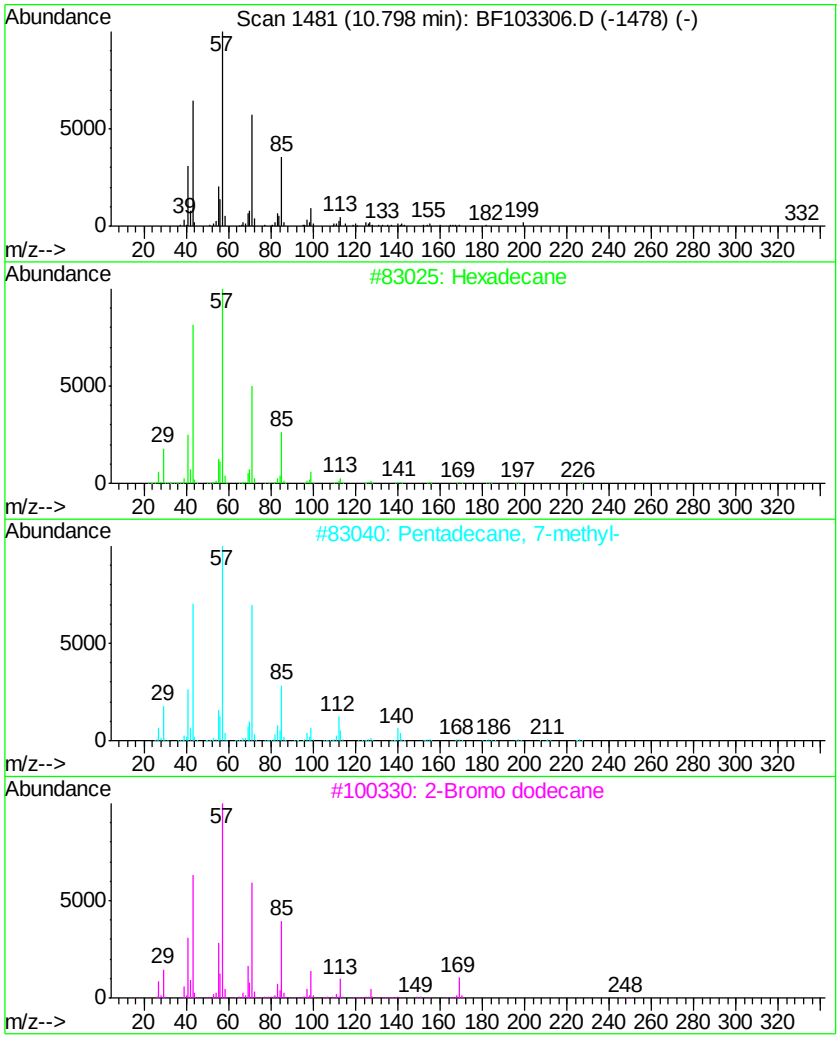
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

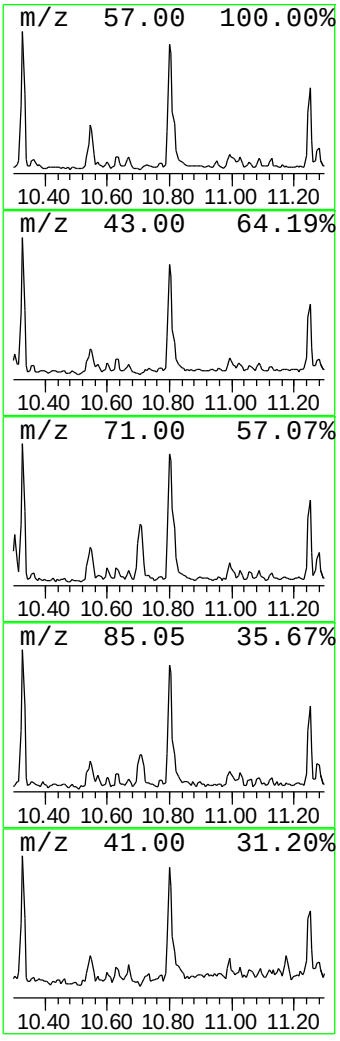
****

Peak Number 5 Hexadecane Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.80	3.90 ng	205932	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexadecane	226	C16H34	000544-76-3	90
2	Pentadecane, 7-methyl-	226	C16H34	006165-40-8	83
3	2-Bromo dodecane	248	C12H25Br	013187-99-0	83
4	Dodecane, 2-methyl-6-propyl-	226	C16H34	055045-08-4	72
5	Tetradecane, 1-iodo-	324	C14H29I	019218-94-1	72





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

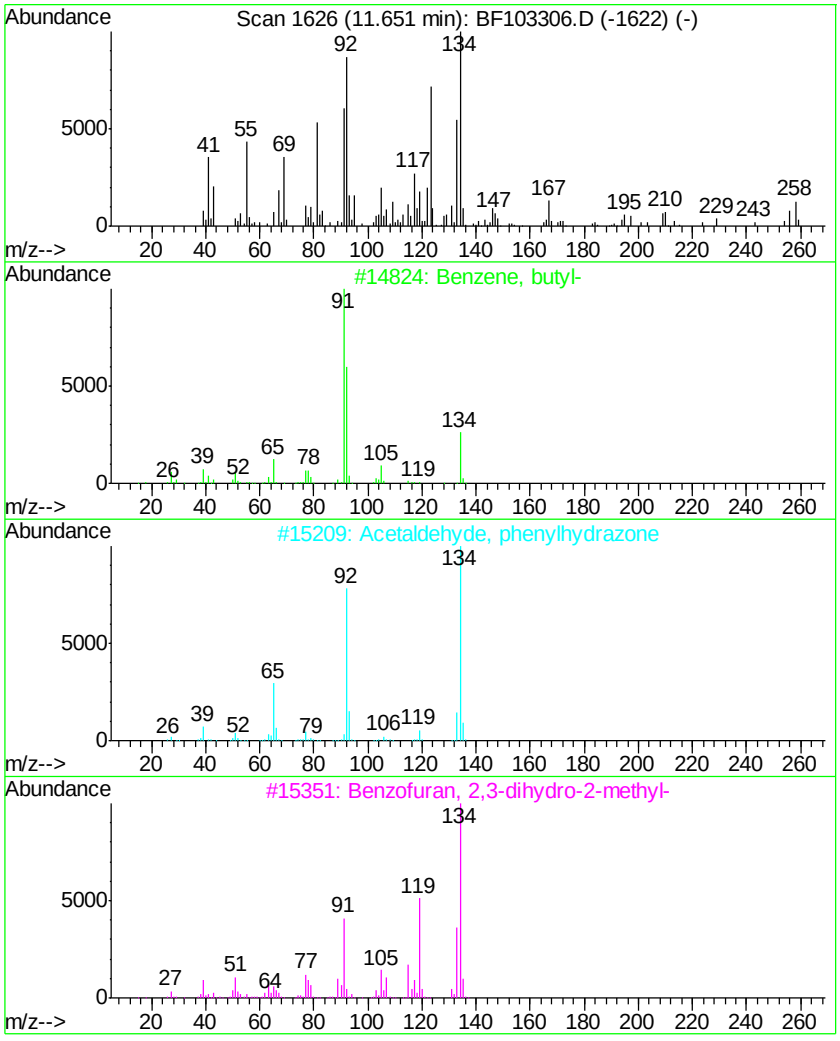
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

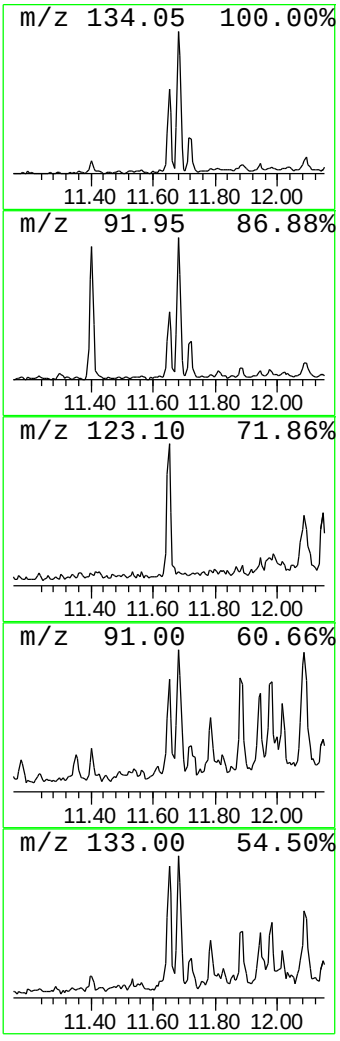
****

Peak Number 6 unknown11.65 Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.65	4.86 ng	256926	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, butyl-	134	C10H14	000104-51-8	43
2	Acetaldehyde, phenylhydrazone	134	C8H10N2	000935-07-9	38
3	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	30
4	5,6,7,8-Tetrahydroquinoxaline	134	C8H10N2	034413-35-9	30
5	1-Methyl-1-p-tolylethylamine	149	C10H15N	006526-79-0	22





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

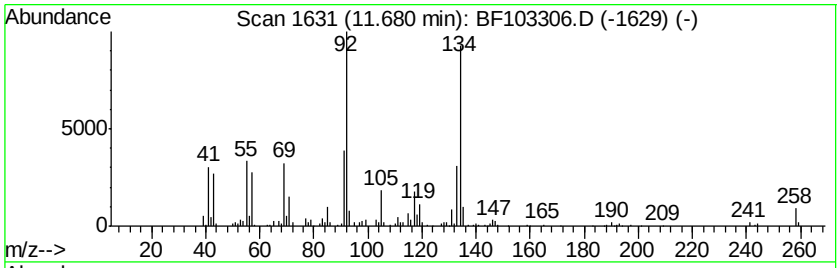
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

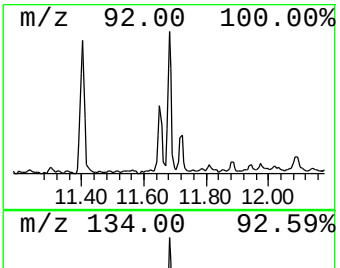
****

Peak Number 7 Dehydroadamantane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.68	4.42 ng	233232	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dehydroadamantane	134	C10H14	039257-33-5	53
2	Benzofuran, 2,3-dihydro-2-methyl-	134	C9H10O	001746-11-8	43
3	2-(1-Cyclopentenyl)furan	134	C9H10O	115754-78-4	37
4	1-Phenyl-2-acetoxy-prop-1-en	176	C11H12O2	024175-87-9	35
5	2H-1-Benzopyran, 3,4-dihydro-	134	C9H10O	000493-08-3	35





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

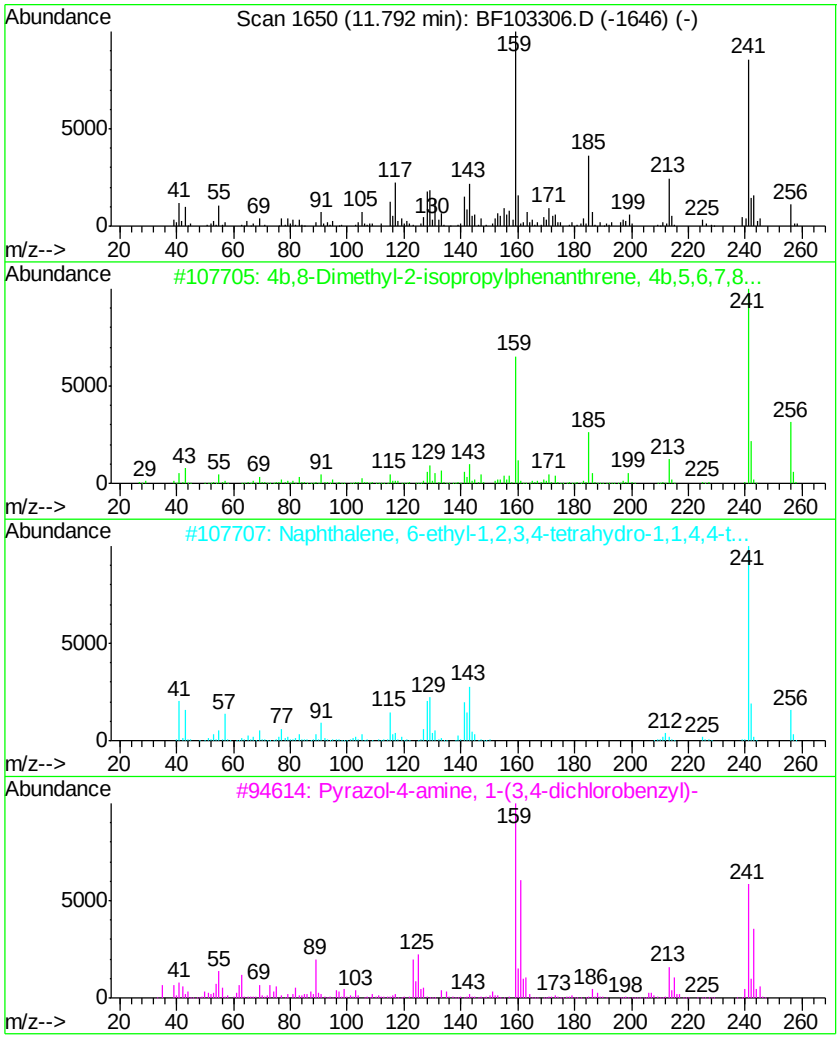
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

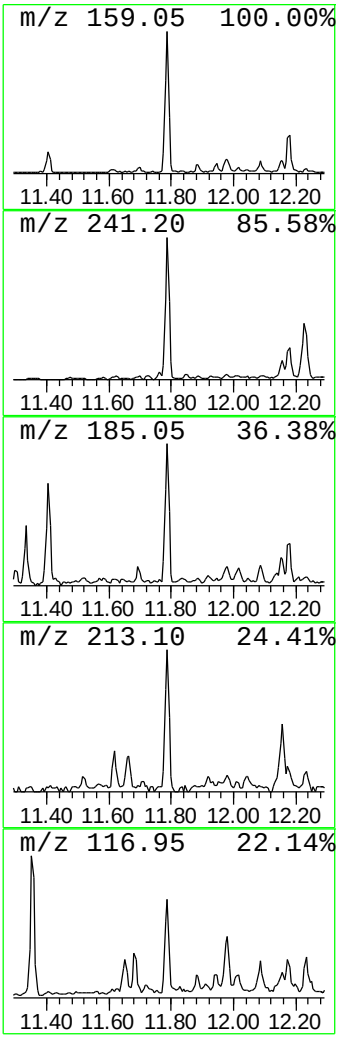
****

Peak Number 8 4b,8-Dimethyl-2-isopropylph... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.79	6.73 ng	355276	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4b,8-Dimethyl-2-isopropylphenant...	256	C19H28	1000197-14-1	90
2	Naphthalene, 6-ethyl-1,2,3,4-tet...	256	C19H28	301643-35-6	90
3	Pyrazol-4-amine, 1-(3,4-dichloro...	241	C10H9Cl2N3	1000273-77-4	58
4	5-Amino-1-phenylpyrazole	159	C9H9N3	000826-85-7	27
5	1-Phenyl-1H-pyrazol-3-amine	159	C9H9N3	001128-56-9	27





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

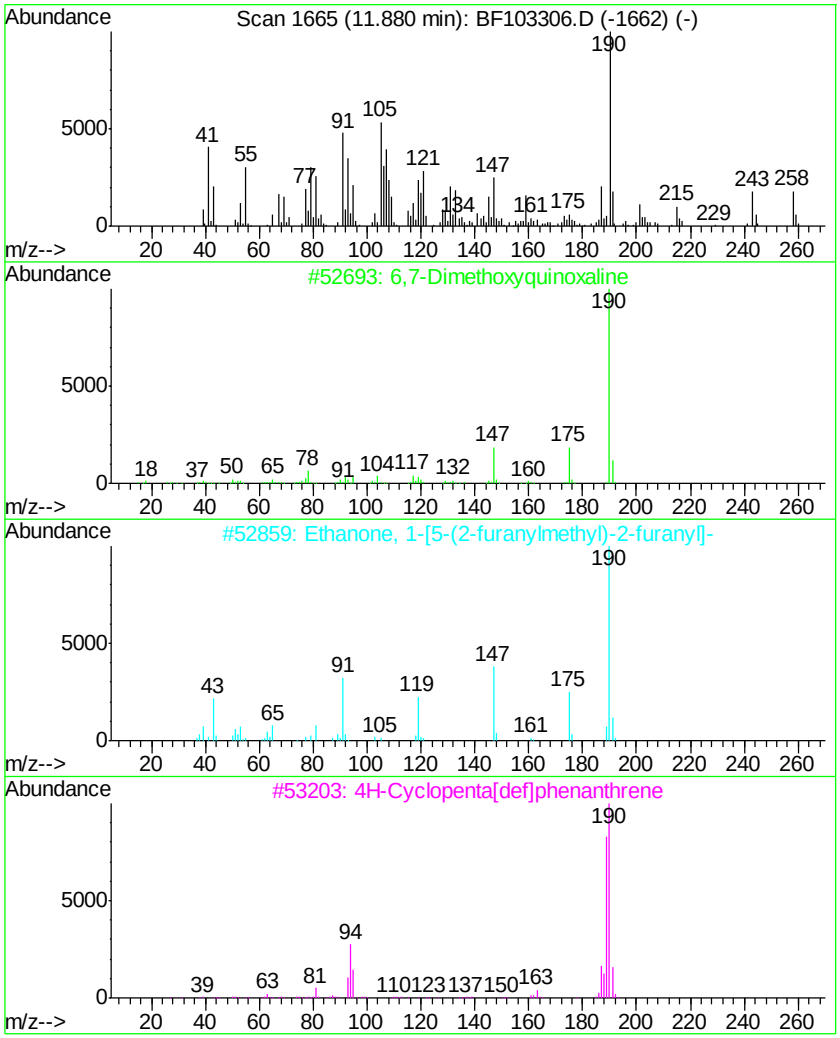
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

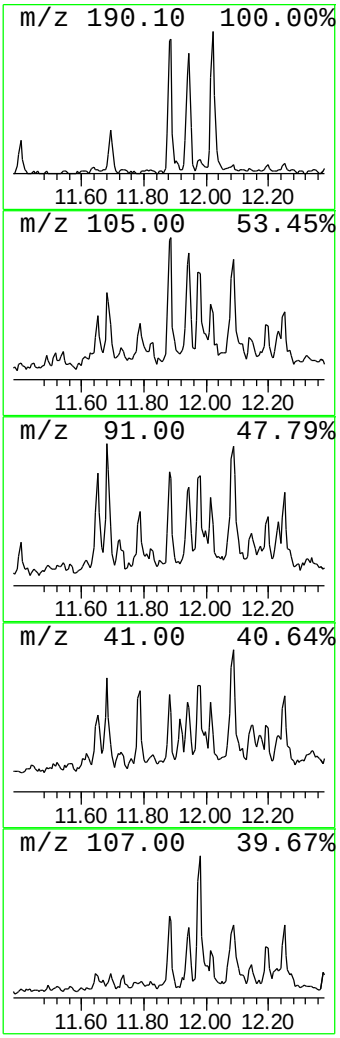
****

Peak Number 9 unknown11.88 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.88	4.41 ng	232990	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	6,7-Dimethoxyquinoxaline	190	C10H10N2O2	006295-29-0	38
2	Ethanone, 1-[5-(2-furanylmethyl)...	190	C11H10O3	052805-84-2	35
3	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	35
4	2-Cyano-6-methoxybenzothiazole	190	C9H6N2OS	000943-03-3	27
5	Phenol, 2-cyclohexyl-4-methyl-	190	C13H18O	001596-09-4	27





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

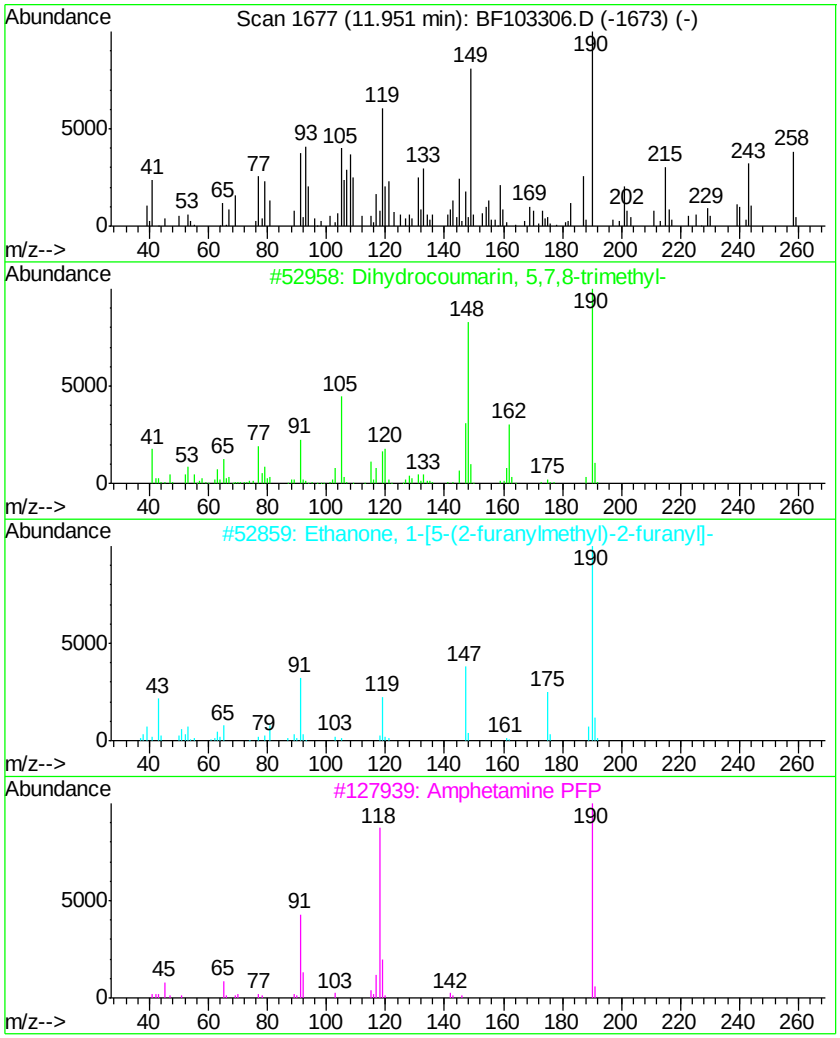
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

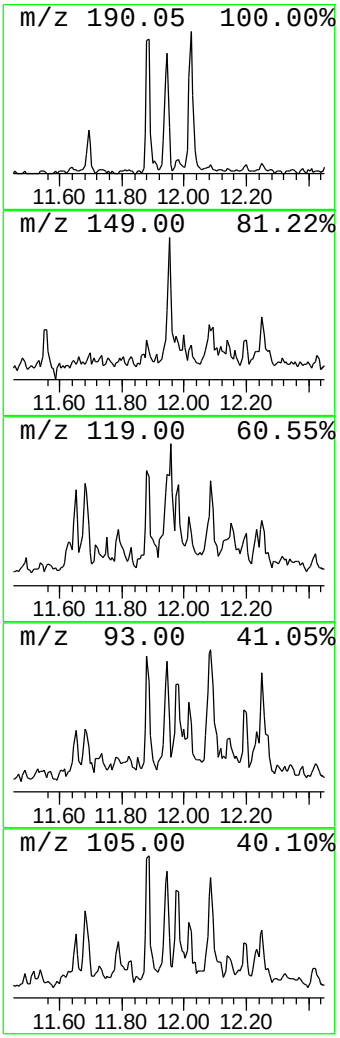
****

Peak Number 10 unknown11.95 Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.95	4.93 ng	260543	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dihydrocoumarin, 5,7,8-trimethyl-	190	C12H14O2	040614-33-3	32
2	Ethanone, 1-[5-(2-furanylmethyl)...	190	C11H10O3	052805-84-2	27
3	Amphetamine PFP	281	C12H12F5NO	001495-89-2	27
4	Naphtho[2,3-b]furan-8(4H)-one, 4...	190	C12H14O2	1000221-38-2	25
5	4,7-Dimethoxy-2-methyl-1H-indene	190	C12H14O2	1000188-03-2	22





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

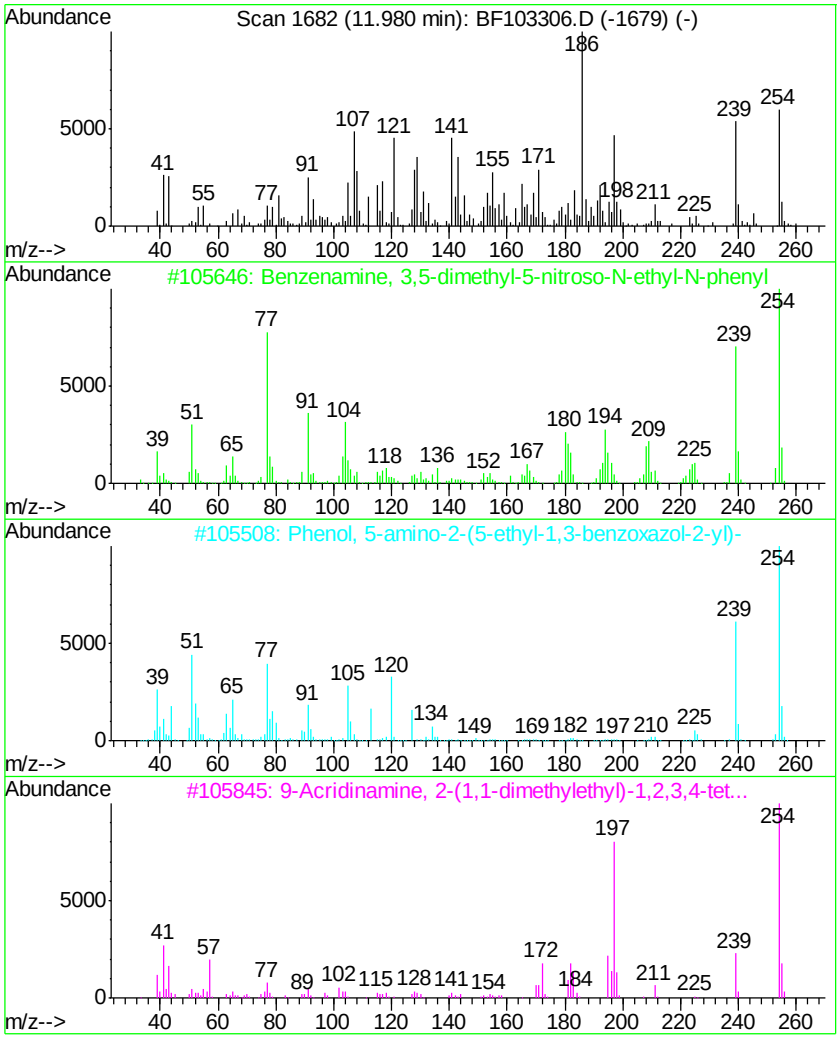
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

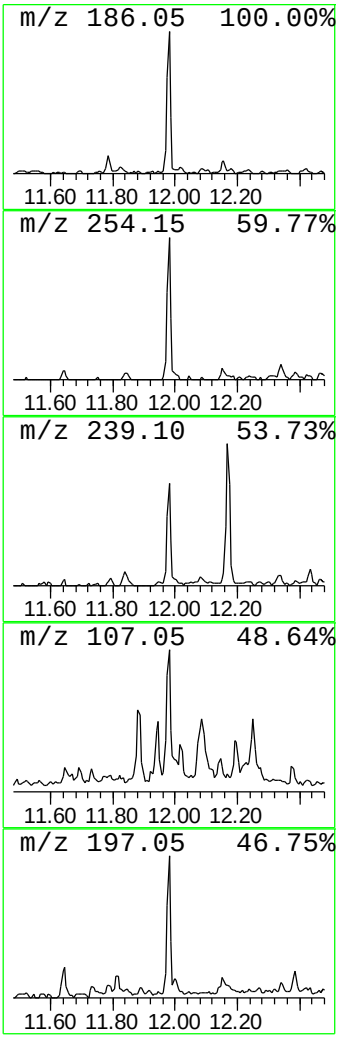
****

Peak Number 11 unknown11.38 Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.98	10.85 ng	573173	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzenamine, 3,5-dimethyl-5-nitr...	254	C16H18N2O	295780-40-4	25
2	Phenol, 5-amino-2-(5-ethyl-1,3-b...	254	C15H14N2O2	1000338-06-3	25
3	9-Acridinamine, 2-(1,1-dimethyle...	254	C17H22N2	1000318-93-9	20
4	1-Naphthol, 2,5,8-trimethyl-	186	C13H14O	033583-02-7	20
5	9H-Thioxanthen-9-one, 2-(1-methy...	254	C16H14OS	005495-84-1	15





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

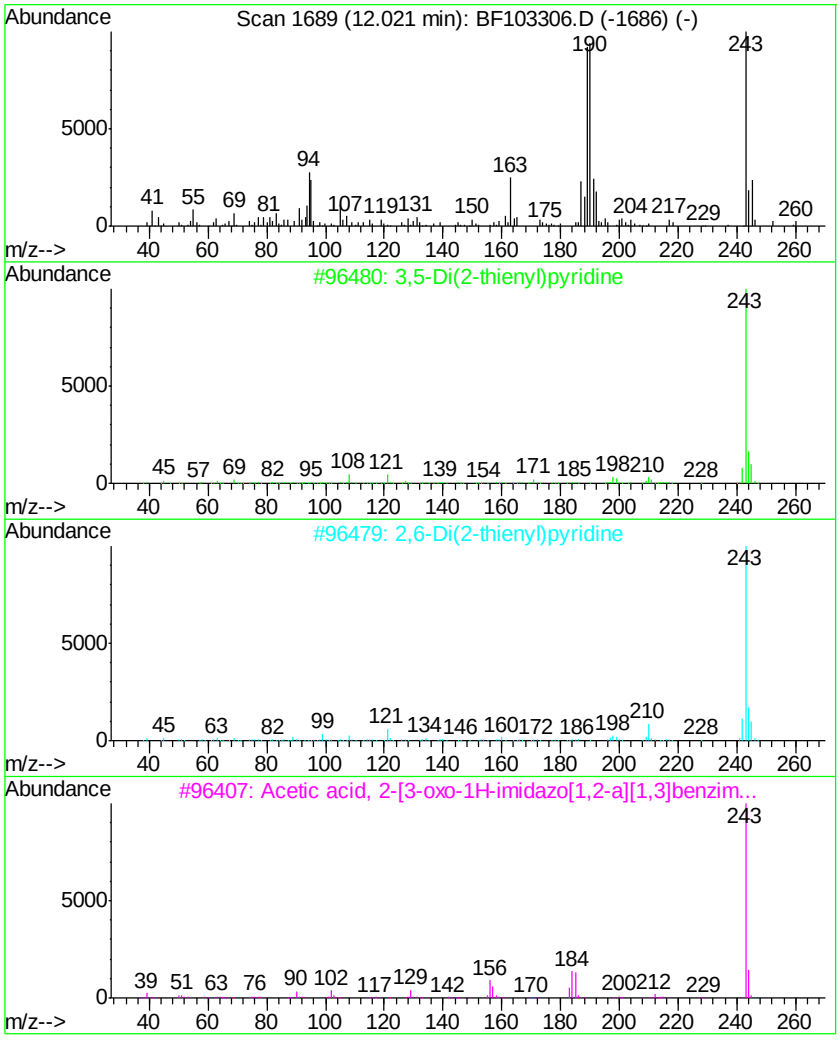
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

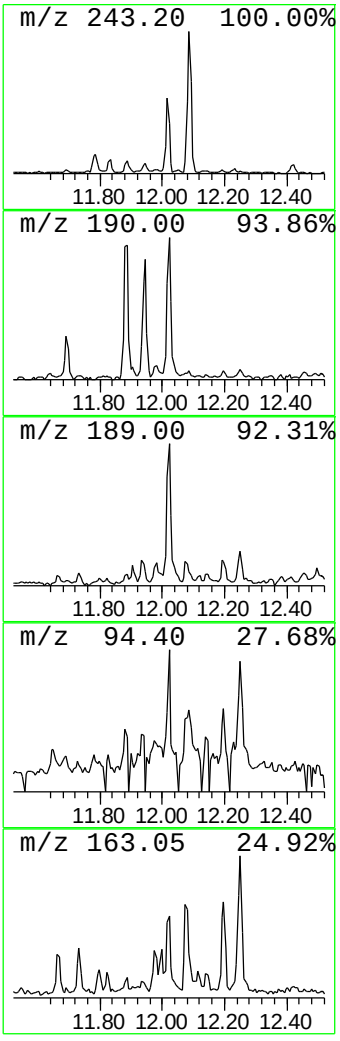
****

Peak Number 12 unknown12.02 Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.02	5.62 ng	296973	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3,5-Di(2-thienyl)pyridine	243	C13H9NS2	117823-19-5	35
2	2,6-Di(2-thienyl)pyridine	243	C13H9NS2	035299-71-9	35
3	Acetic acid, 2-[3-oxo-1H-imidazo...	243	C12H9N3O3	1000337-79-9	30
4	4-Isoxazolidinamine, 3-oxo-N-(p-...	498	C29H26N2O4S	1000256-00-1	27
5	3-Phenyl-4-azafluorene	243	C18H13N	033777-97-8	27





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

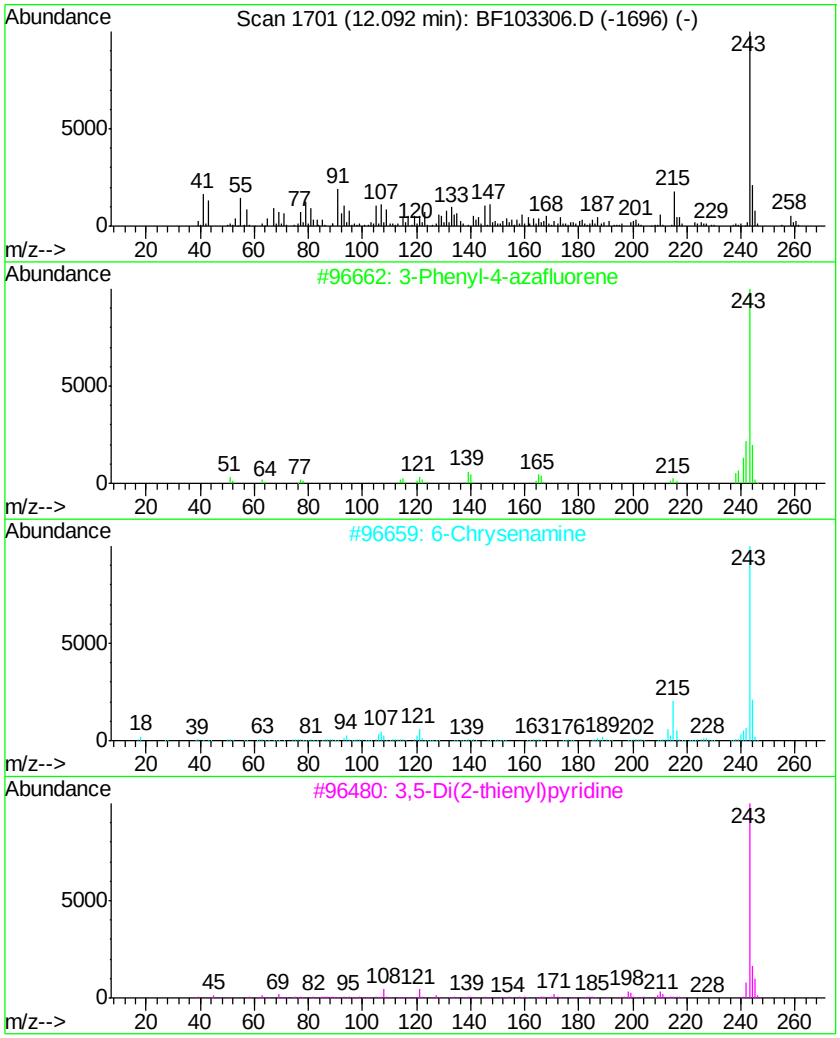
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

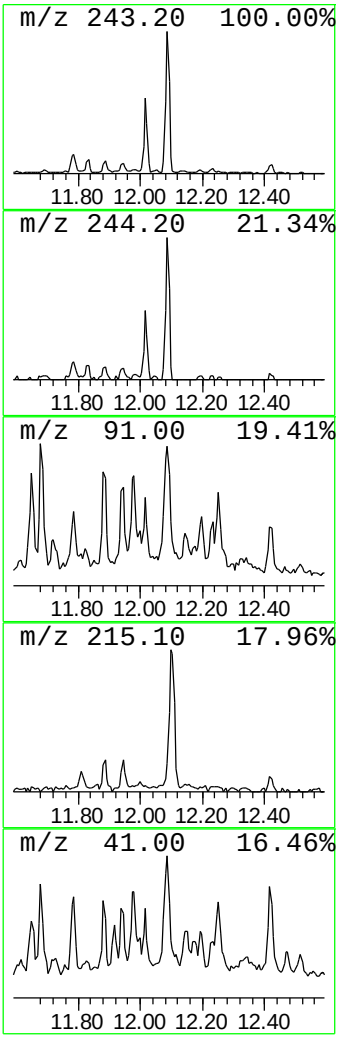
****

Peak Number 13 3-Phenyl-4-azafluorene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.09	10.48 ng	553501	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Phenyl-4-azafluorene	243	C18H13N	033777-97-8	72
2	6-Chrysenamine	243	C18H13N	002642-98-0	72
3	3,5-Di(2-thienyl)pyridine	243	C13H9NS2	117823-19-5	72
4	Benz[c]acridine, 5-methyl-	243	C18H13N	003519-87-7	64
5	2,6-Di(2-thienyl)pyridine	243	C13H9NS2	035299-71-9	64





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

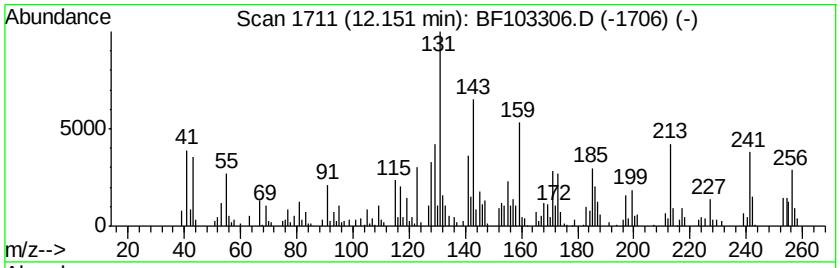
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

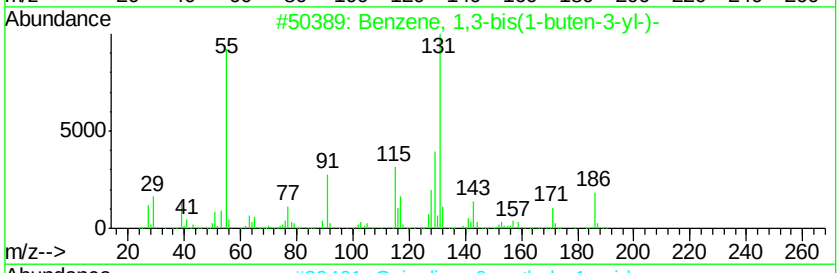
****

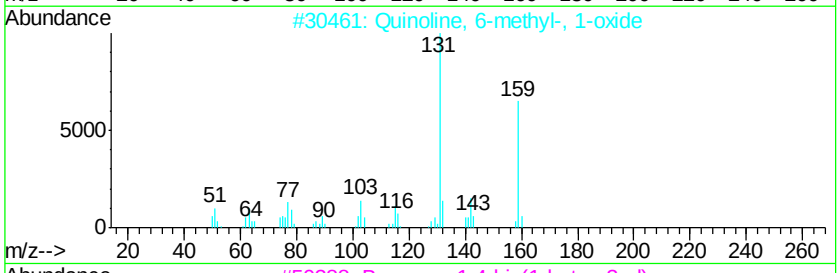
Peak Number 14 unknown12.15 Concentration Rank 13

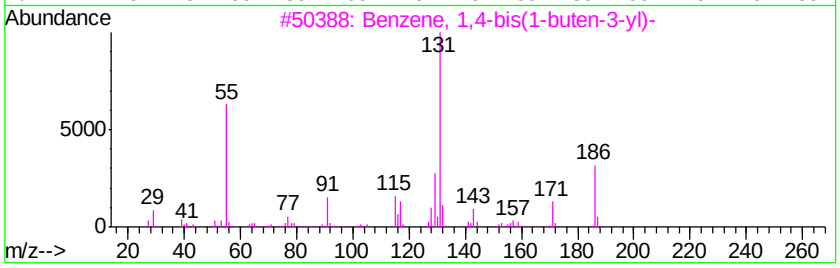
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.15	4.50 ng	237529	Phenanthrene-d10	11.40

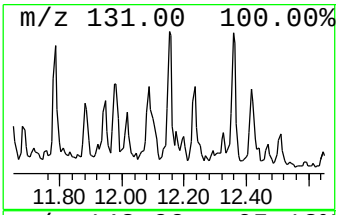
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,3-bis(1-buten-3-yl-)-	186	C14H18	158117-62-5	38
2	Quinoline, 6-methyl-, 1-oxide	159	C10H9NO	004053-42-3	30
3	Benzene, 1,4-bis(1-buten-3-yl)-	186	C14H18	158117-61-4	30
4	N-Methyl-N-methoxy-5,6,7,8-tetra...	219	C13H17NO2	185957-97-5	16
5	1H-Indene, 3-butyl-1-methyl-	186	C14H18	111400-84-1	14

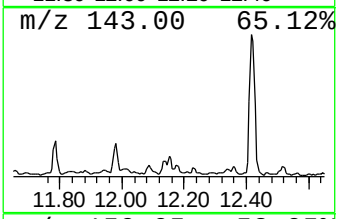


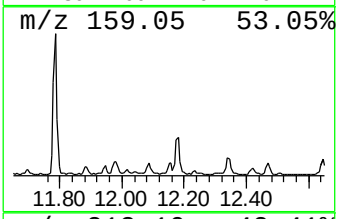


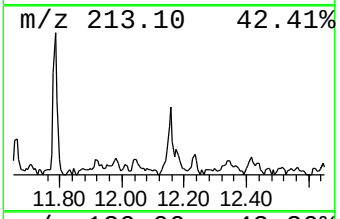


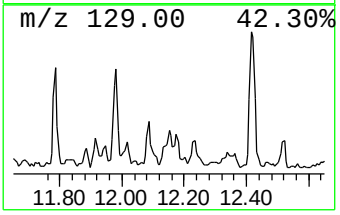












Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

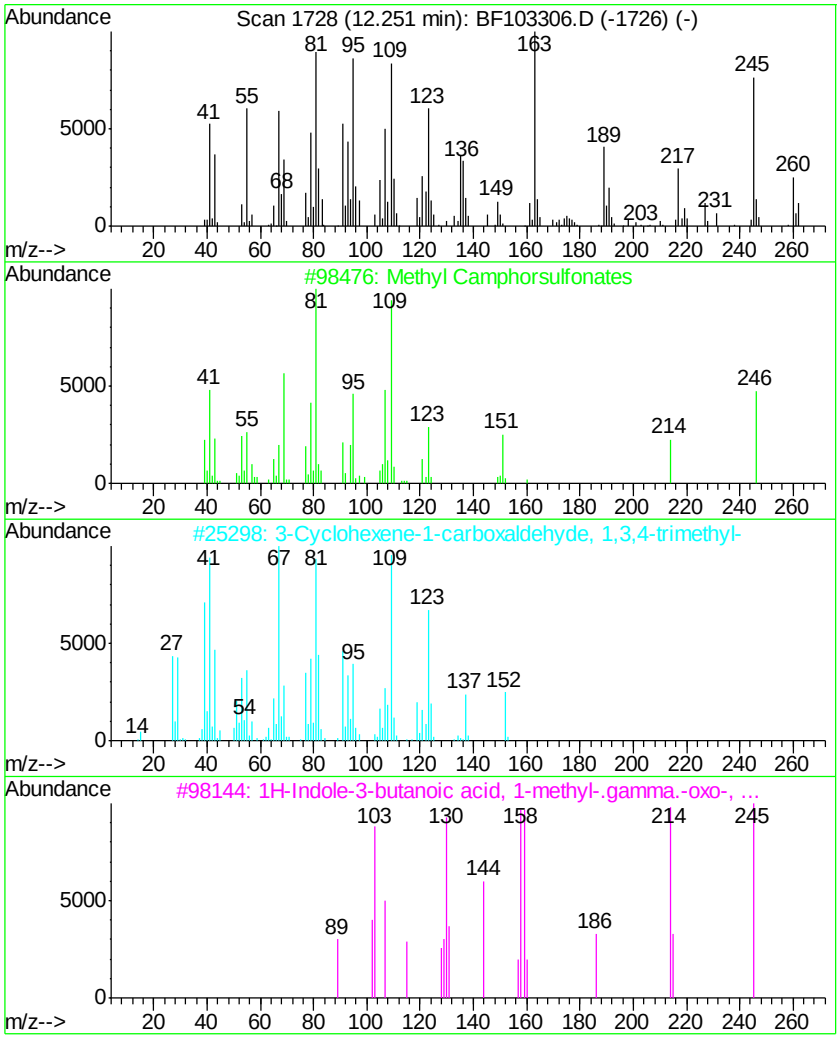
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

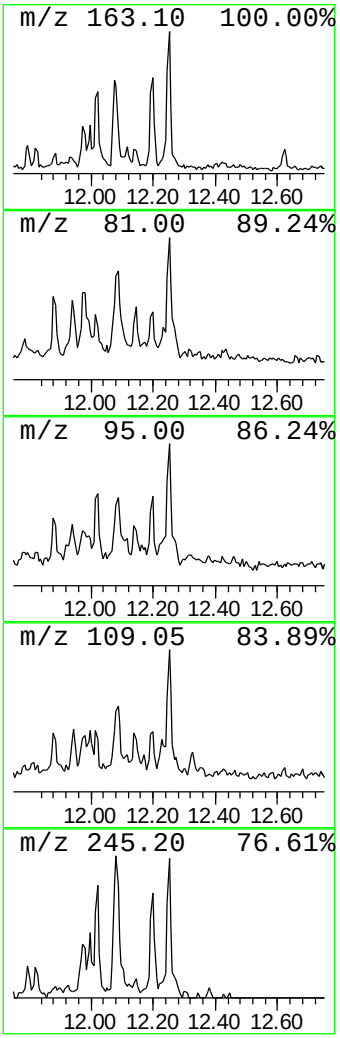
****

Peak Number 15 unknown12.25 Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.25	4.96 ng	261879	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methyl Camphorsulfonates	246	C11H18O4S	046471-67-4	35
2	3-Cyclohexene-1-carboxaldehyde, ...	152	C10H16O	040702-26-9	27
3	1H-Indole-3-butanoic acid, 1-met...	245	C14H15NO3	040547-43-1	25
4	As-Indacene, dodecahydro-4-(1-oc...	402	C29H54	055530-51-3	22
5	Benzoic acid, 3-[(furan-2-ylmeth...	245	C14H15NO3	1000303-21-2	18





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

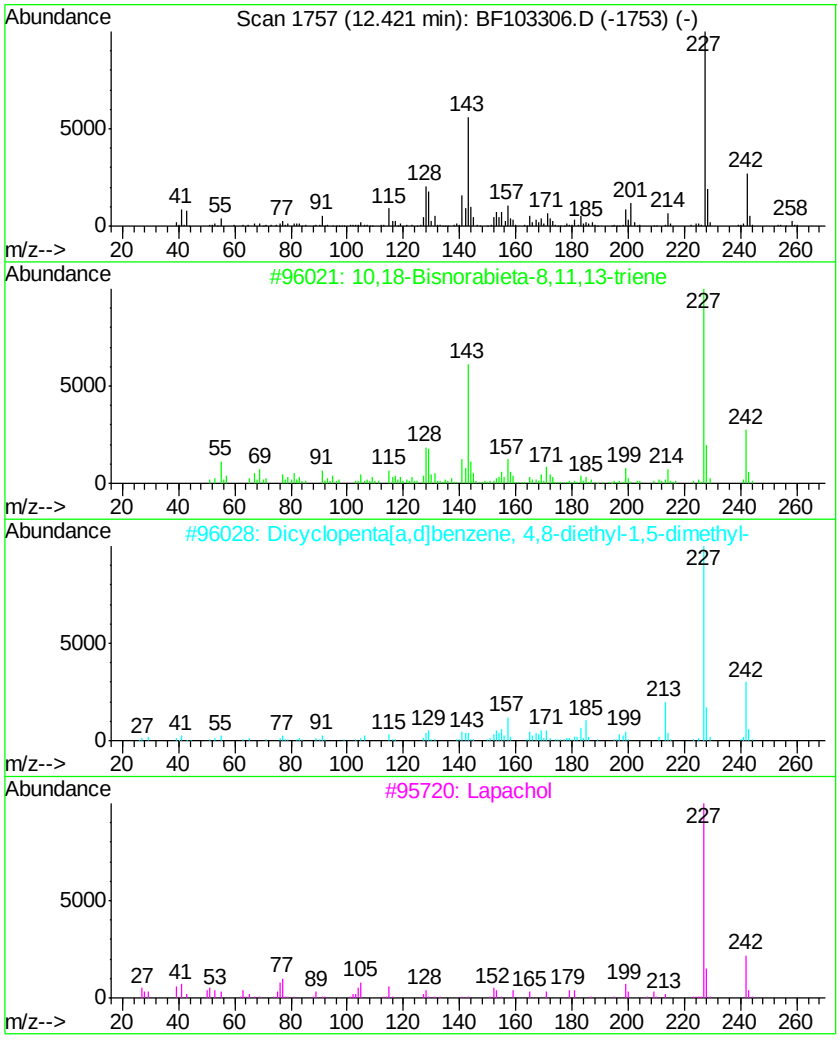
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

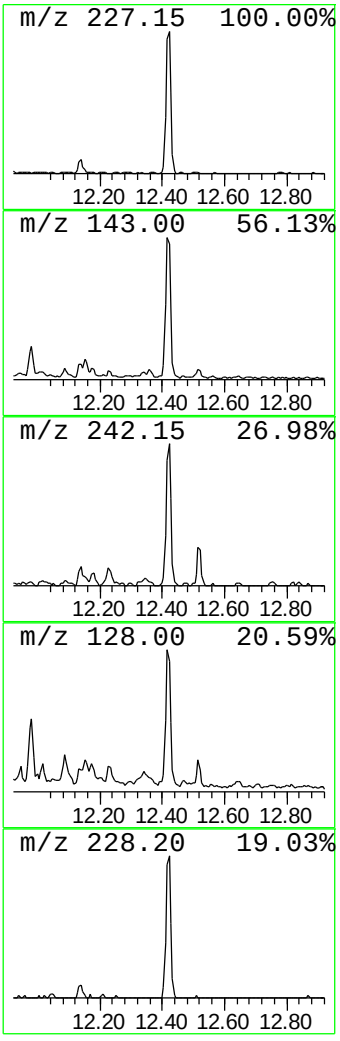
****

Peak Number 16 10,18-Bisnorabieta-8,11,13-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.42	10.22 ng	539915	Phenanthrene-d10	11.40

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	10,18-Bisnorabieta-8,11,13-triene	242	C18H26	032624-67-2	94
2	Dicyclopenta[a,d]benzene, 4,8-di...	242	C18H26	1000156-41-6	60
3	Lapachol	242	C15H14O3	000084-79-7	49
4	s-Indacene-1,7-dione, 2,3,5,6-te...	242	C16H18O2	055591-17-8	49
5	Chlorquinaldol	227	C10H7Cl2NO	000072-80-0	47





Library Search Compound Report

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

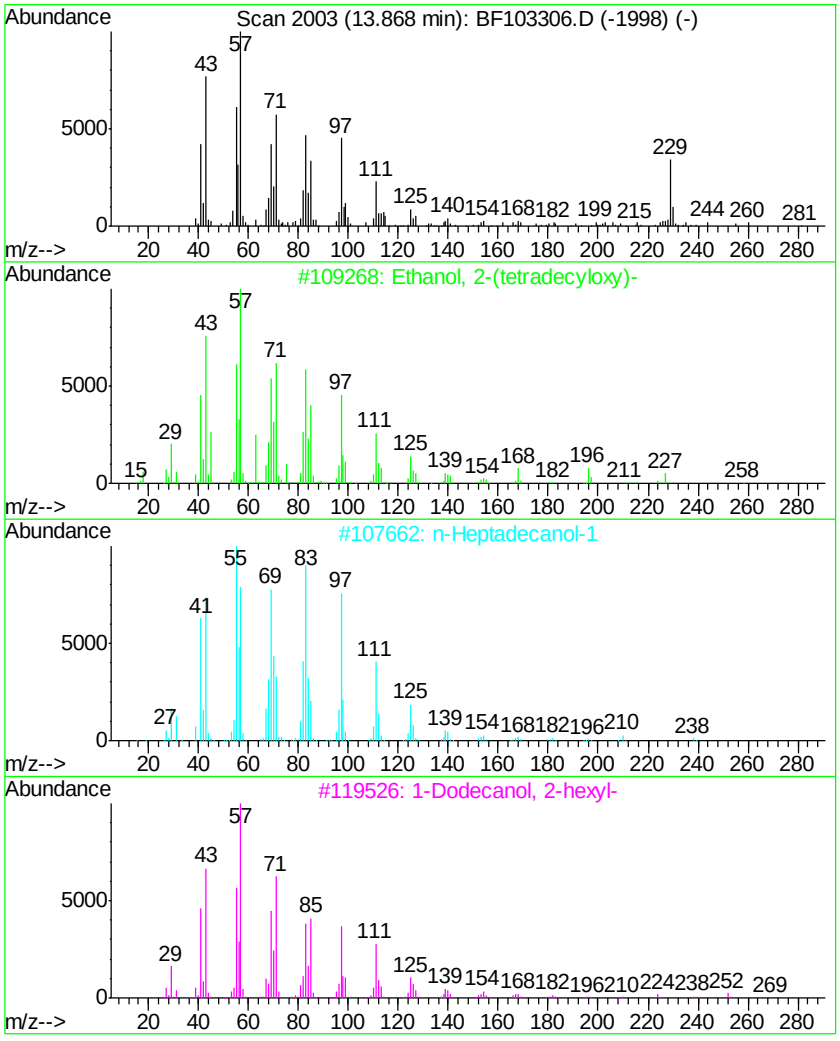
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

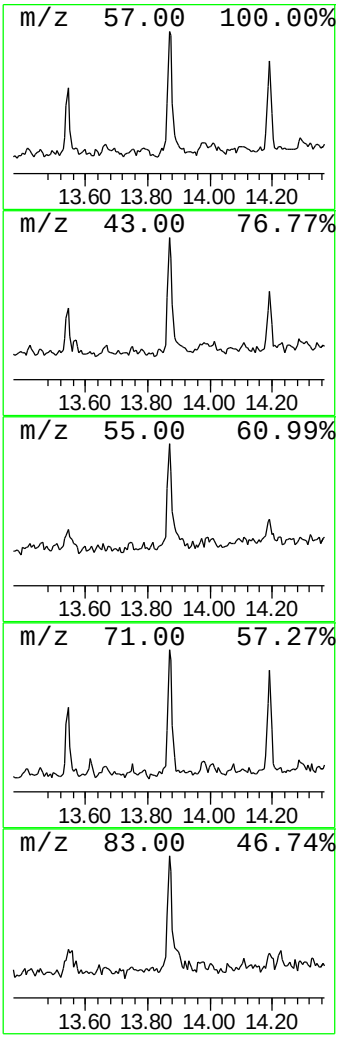
****

Peak Number 17 Ethanol, 2-(tetradecyloxy)- Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.87	3.51 ng	215827	Chrysene-d12	14.05

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol, 2-(tetradecyloxy)-	258	C16H34O2	002136-70-1	62
2	n-Heptadecanol-1	256	C17H36O	001454-85-9	60
3	1-Dodecanol, 2-hexyl-	270	C18H38O	110225-00-8	58
4	17-Pentatriacontene	491	C35H70	006971-40-0	58
5	1-Hexadecanol	242	C16H34O	036653-82-4	55





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

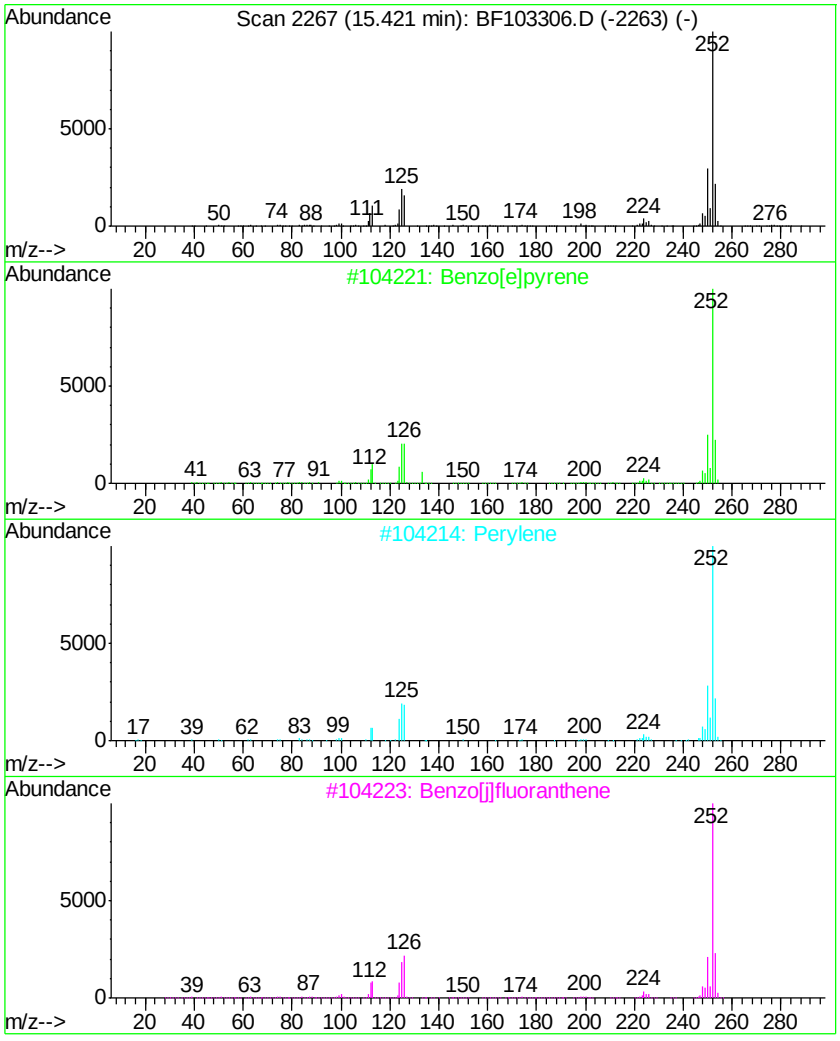
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

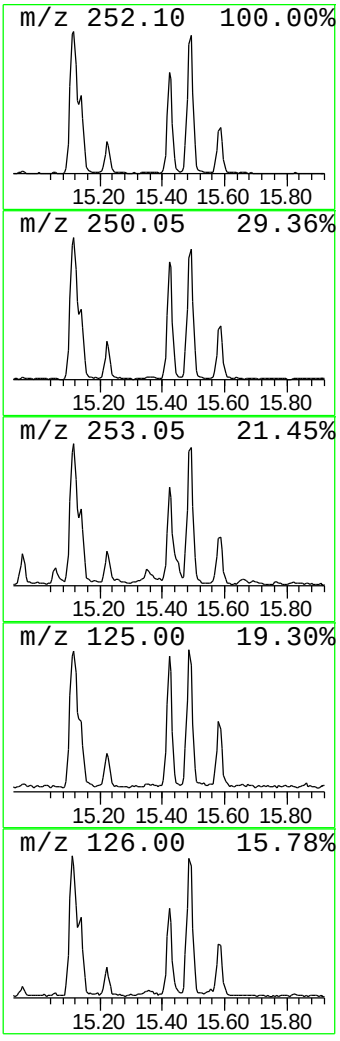
****

Peak Number 19 Benzo[e]pyrene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.42	11.80 ng	506520	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[e]pyrene	252	C20H12	000192-97-2	99
2	Perylene	252	C20H12	000198-55-0	99
3	Benzo[j]fluoranthene	252	C20H12	000205-82-3	97
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	94
5	Benzo[a]pyrene	252	C20H12	000050-32-8	94





Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

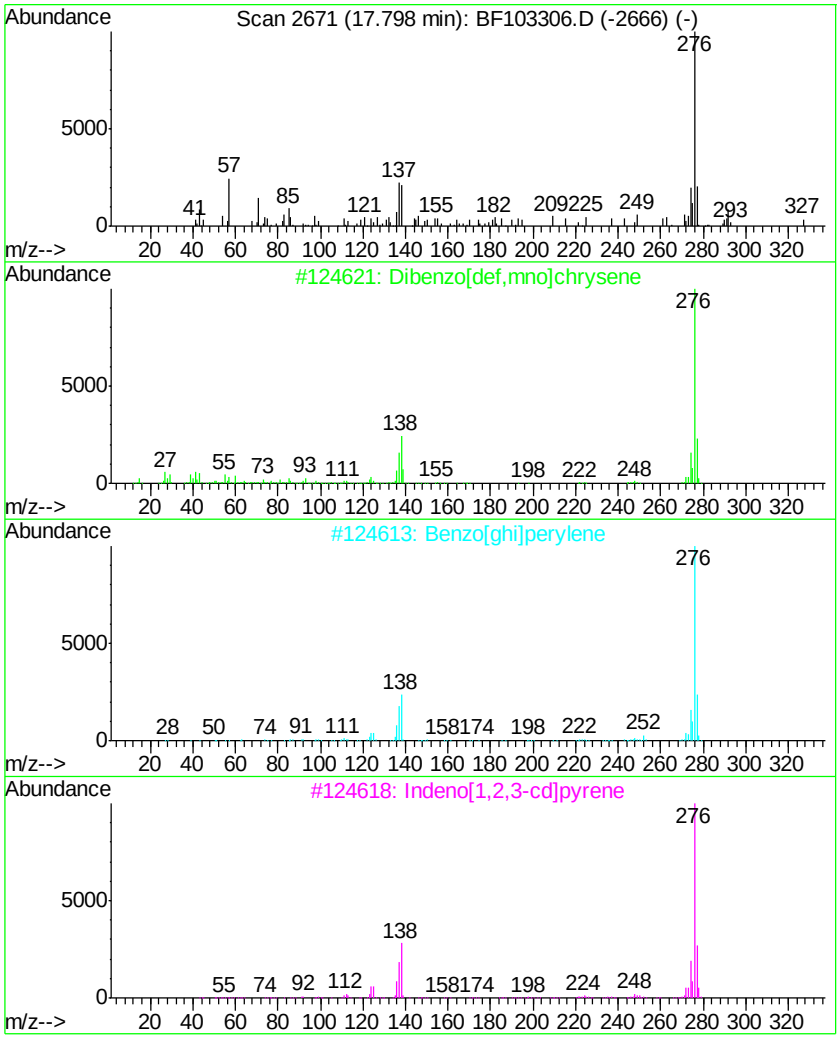
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

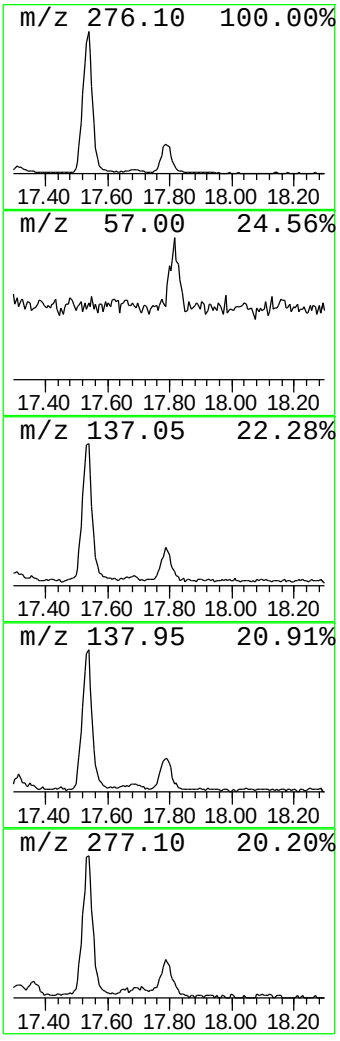
****

Peak Number 20 Dibenzo[def,mno]chrysene Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
17.80	3.85 ng	165410	Perylene-d12	15.55

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dibenzo[def,mno]chrysene	276	C22H12	000191-26-4	76
2	Benzo[ghi]perylene	276	C22H12	000191-24-2	68
3	Indeno[1,2,3-cd]pyrene	276	C22H12	000193-39-5	64
4	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	59
5	2-Thiophenecarbaldehyde, 5-[5-(t...	276	C13H8OS3	1000217-28-5	47





Tentatively Identified Compound (LSC) summary

Data Path : \\74.0.250.170\SVOASRV\HPCHEM1\BNA_F\DATA\BF022818\
Data File : BF103306.D
Acq On : 28 Feb 2018 21:11
Operator : SJ/JU
Sample : J1716-02
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : SB-01-08-12

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF022218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Butane, 2-methoxy...	2.16	10.0	ng	510194	1	6.87	1016430	20.0
2-Pentanone, 4-hy...	5.12	4.4	ng	221591	1	6.87	1016430	20.0
unknown6.65	6.65	89.5	ng	4550390	1	6.87	1016430	20.0
Hexadecane	10.80	3.9	ng	205932	4	11.40	1056240	20.0
unknown11.65	11.65	4.9	ng	256926	4	11.40	1056240	20.0
Dehydroadamantane	11.68	4.4	ng	233232	4	11.40	1056240	20.0
4b,8-Dimethyl-2-i...	11.79	6.7	ng	355276	4	11.40	1056240	20.0
unknown11.88	11.88	4.4	ng	232990	4	11.40	1056240	20.0
unknown11.95	11.95	4.9	ng	260543	4	11.40	1056240	20.0
unknown11.38	11.98	10.9	ng	573173	4	11.40	1056240	20.0
unknown12.02	12.02	5.6	ng	296973	4	11.40	1056240	20.0
3-Phenyl-4-azaflu...	12.09	10.5	ng	553501	4	11.40	1056240	20.0
unknown12.15	12.15	4.5	ng	237529	4	11.40	1056240	20.0
unknown12.25	12.25	5.0	ng	261879	4	11.40	1056240	20.0
10,18-Bisnorabiet...	12.42	10.2	ng	539915	4	11.40	1056240	20.0
Ethanol, 2-(tetra...	13.87	3.5	ng	215827	5	14.05	1231160	20.0
Benzo[e]pyrene	15.42	11.8	ng	506520	6	15.55	858835	20.0
Dibenzo[def,mno]c...	17.80	3.9	ng	165410	6	15.55	858835	20.0