LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

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-BF073019.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	2.134	3	8	21	rVB	729758	953337	28.20%	1.697%
2	3.928	308	313	320	rBV	164245	230778	6.83%	0.411%
3	5.469	571	575	602	rBV	2446779	2647621	78.31%	4.713%
4	6.481	742	747	766	rBV	2587909	2815016	83.26%	5.011%
5	6.616	766	770	773	rBV	3083266	2804160	82.94%	4.992%
6	6.839	805	808	818	rVB	901870	812750	24.04%	1.447%
7	6.998	831	835	847	rBV	2502406	2310588	68.34%	4.113%
8	7.404	899	904	916	rBV	1832254	1847489	54.64%	3.289%
9	8.122	1022	1026	1043	rBV	1112583	1043053	30.85%	1.857%
10	9.198	1204	1209	1212	rBV	3635249	3381015	100.00%	6.019%
11	9.592	1272	1276	1287	rBV	478717	531047	15.71%	0.945%
12	9.874	1320	1324	1329	rBV	1327005	1238444	36.63%	2.205%
13	10.422	1410	1417	1425	rVB3	71208	110891	3.28%	0.197%
14	10.533	1433	1436	1440	rBV	124209	116338	3.44%	0.207%
15	10.574	1440	1443	1446	rVB	71950	68456	2.02%	0.122%
16	10.610	1446	1449	1452	rBV	41092	49575	1.47%	0.088%
17	10.663	1455	1458	1466	rVV	1360480	1479829	43.77%	2.634%
18	10.727	1466	1469	1475	rVB	135574	159106	4.71%	0.283%
19	10.822	1482	1485	1487	rBV	288344	232936	6.89%	0.415%
20	10.845	1487	1489	1492	rVB	64562	56245	1.66%	0.100%
21	10.880	1492	1495	1496	rBV2	79871	68499	2.03%	0.122%
22	10.898	1496	1498	1501	rVB	146766	111209	3.29%	0.198%
23	10.945	1501	1506	1508	rBV	172651	180637	5.34%	0.322%
24	10.969	1508	1510	1512	rBV	77914	66371	1.96%	0.118%
25	11.010	1515	1517	1519	rBV2	92047	93738	2.77%	0.167%
26	11.033	1519	1521	1524	rVB	203032	168628	4.99%	0.300%
27	11.063	1524	1526	1530	rVB	94449	101439	3.00%	0.181%
28	11.110	1530	1534	1535	rBV	124845	110546	3.27%	0.197%
29	11.133	1535	1538	1540	rBV	270130	202001	5.97%	0.360%
30	11.163	1540	1543	1547	rVB2	301593	320189	9.47%	0.570%
31	11.221	1547	1553	1555	rBV2	384368	478486	14.15%	0.852%
32	11.251	1555	1558	1564	rVB	462635	427770	12.65%	0.761%
33	11.304	1564	1567	1572	rBV	691941	1185019	35.05%	2.109%
34	11.339	1572	1573	1574	rBV	67333	41660	1.23%	0.074%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.363	1574	1577	1582	rBV2	1234749	1454456	43.02%	2.589%
36	11.404	1582	1584	1587	rVB	550912	480118	14.20%	0.855%
37	11.445	1588	1591	1595	rVB	513156	556212	16.45%	0.990%
38	11.486	1595	1598	1600	rBV2	680668	671241	19.85%	1.195%
39	11.516	1600	1603	1605	rBV	482211	408350	12.08%	0.727%
40	11.539	1605	1607	1612	rVB5	420446	574811	17.00%	1.023%
41	11.586	1612	1615	1618	rBV2	1018466	1119121	33.10%	1.992%
42	11.633	1621	1623	1625	rVB3	219842	177732	5.26%	0.316%
43	11.669	1625	1629	1630	rBV	733653	920078	27.21%	1.638%
44	11.716	1635	1637	1640	rVV2	796714	846035	25.02%	1.506%
45	11.757	1640	1644	1646	rVV2	1044162	1228411	36.33%	2.187%
46	11.780	1646	1648	1650	rVV2	761678	647719	19.16%	1.153%
47	11.810	1650	1653	1655	rVB	702147	501448	14.83%	0.893%
48	11.845	1655	1659	1662	rBV	978405	1411371	41.74%	2.512%
49	11.892	1665	1667	1671	rVB3	1010955	1115675	33.00%	1.986%
50	11.927	1671	1673	1676	rBV2	431748	401141	11.86%	0.714%
51	11.957	1676	1678	1680	rVV2	170194	105813	3.13%	0.188%
52	12.051	1692	1694	1698	rBV2	360196	344490	10.19%	0.613%
53	12.104	1698	1703	1707	rBV4	311202	650160	19.23%	1.157%
54	12.168	1711	1714	1716	rBV2	256784	271476	8.03%	0.483%
55	12.204	1717	1720	1721	rBV2	257981	257383	7.61%	0.458%
56	12.257	1727	1729	1730	rBV2	180502	140074	4.14%	0.249%
57	12.280	1730	1733	1737	rVV3	328681	473473	14.00%	0.843%
58	12.363	1745	1747	1749	rBV	395800	414699	12.27%	0.738%
59	12.580	1781	1784	1788	rBV2	496876	833822	24.66%	1.484%
60	12.680	1795	1801	1806	rVB3	1126317	1495700	44.24%	2.663%
61	12.810	1820	1823	1825	rBV2	272788	243837	7.21%	0.434%
62	12.945	1842	1846	1849	rBV	3150571	3079190	91.07%	5.481%
63	13.974	2018	2021	2023	rBV	277668	306425	9.06%	0.545%
64	14.004	2023	2026	2029	rVB2	822874	800407	23.67%	1.425%
65	14.157	2048	2052	2058	rBV2	226088	243430	7.20%	0.433%
66	14.457	2100	2103	2107	rVB	558280	509953	15.08%	0.908%
67	14.762	2150	2155	2165	rVB	959195	1048176	31.00%	1.866%
68	15.045	2199	2203	2206	rBV	100819	158232	4.68%	0.282%
69	15.092	2206	2211	2219	rVB	1043475	1277013	37.77%	2.273%
70	15.345	2252	2254	2260	rVB	92720	112847	3.34%	0.201%
71	15.409	2261	2265	2269	rVV	99170	132938	3.93%	0.237%

LSC Area Percent Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

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-BF073019.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	15.468	2269	2275	2291	rVB	1494587	2169177	64.16%	3.861%
73	15.898	2341	2348	2360	rBV	667996	1115314	32.99%	1.985%
74	16.392	2425	2432	2446	rVB	337510	646840	19.13%	1.151%
75	16.968	2522	2530	2541	rVB3	113900	303526	8.98%	0.540%
76	17.386	2597	2601	2613	rVB	32196	83259	2.46%	0.148%

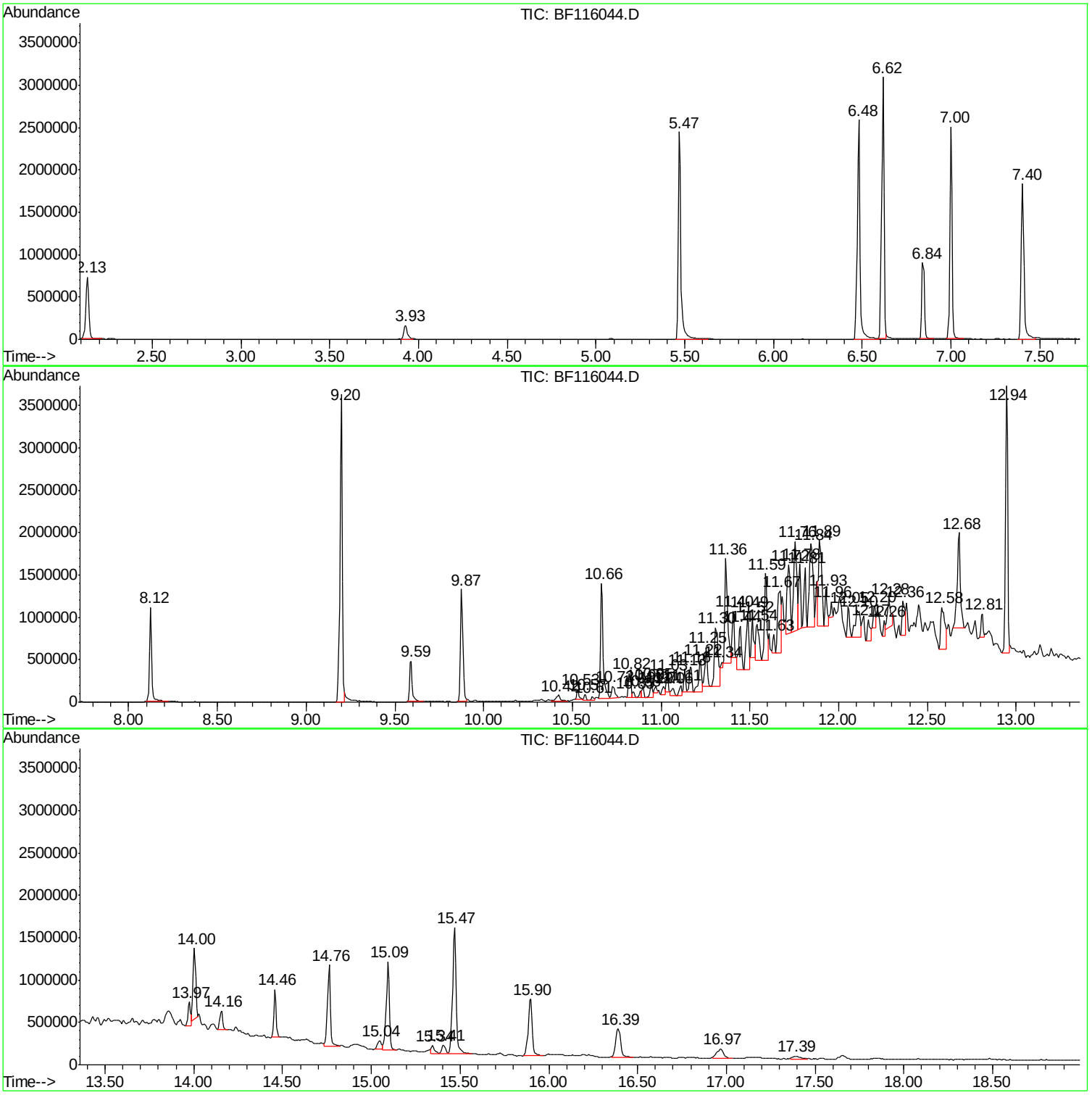
Sum of corrected areas: 56176439

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

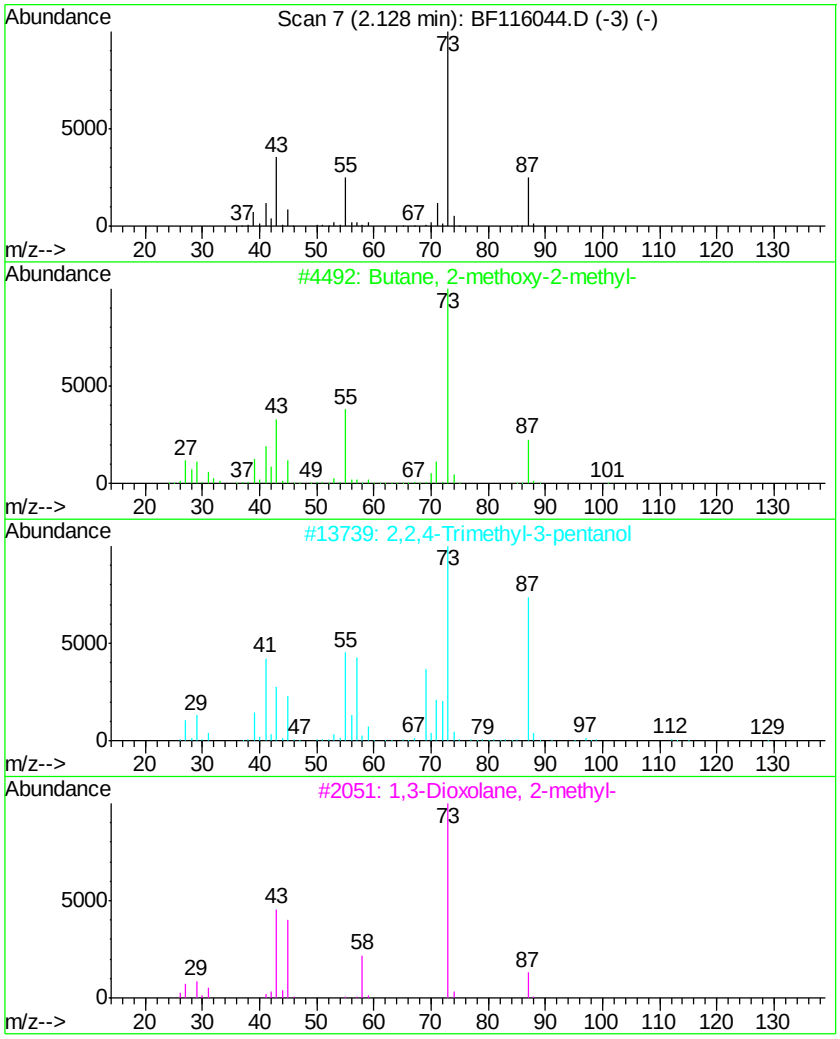
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

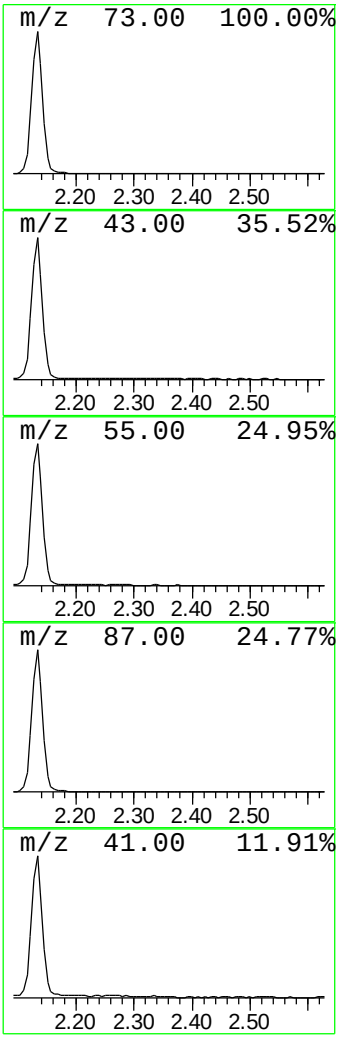
****

Peak Number 1 Butane, 2-methoxy-2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.13	23.46 ng	953337	1,4-Dichlorobenzene-d4	6.84

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	1,3-Dioxolane, 2-methyl-	88	C4H8O2	000497-26-7	37
4	Pentane, 3-methoxy-	102	C6H14O	036839-67-5	23
5	Silane, tetramethyl-	88	C4H12Si	000075-76-3	17





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

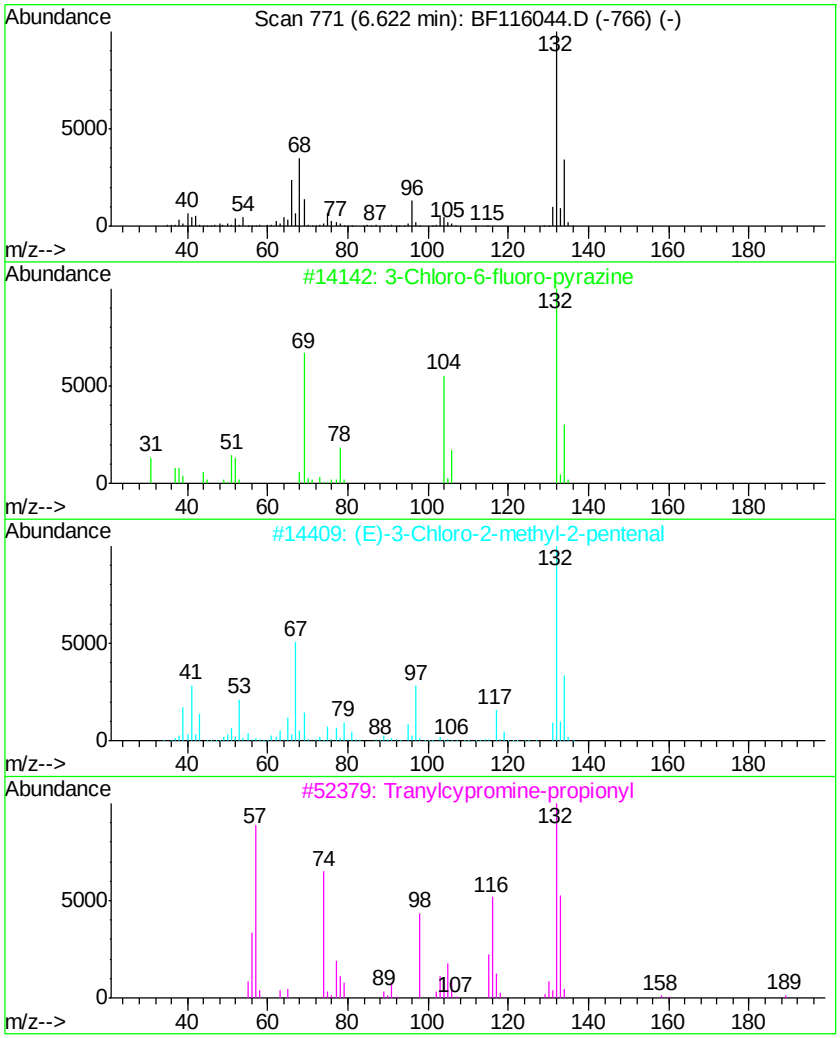
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

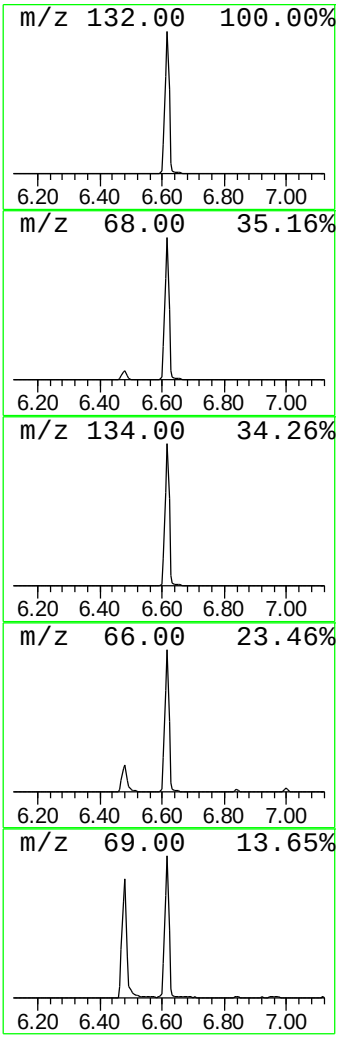
****

Peak Number 2 unknown6.62 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.62	69.00 ng	2804160	1,4-Dichlorobenzene-d4	6.84

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	27
2	(E)-3-Chloro-2-methyl-2-pentenal	132	C6H9ClO	031357-76-3	27
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	Bicyclo[4.2.0]octa-1,3,5-triene,...	132	C10H12	028749-81-7	9
5	Benzene, 1-ethenyl-3,5-dimethyl-	132	C10H12	005379-20-4	9





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

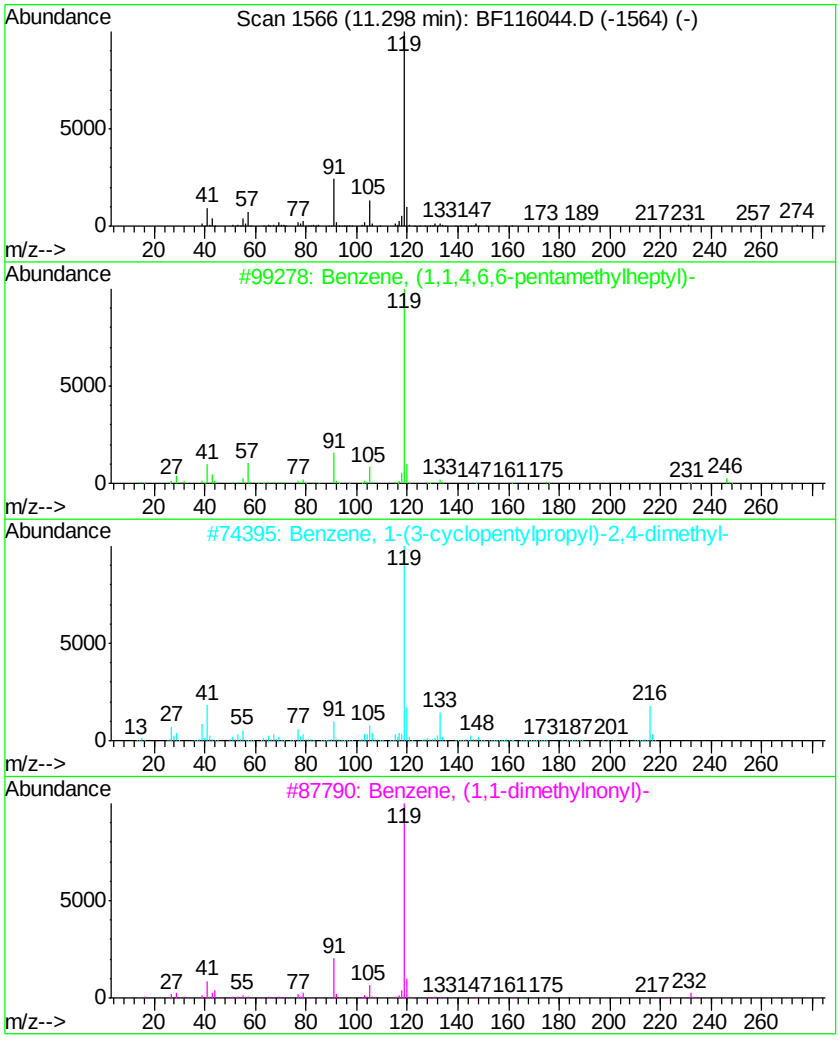
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

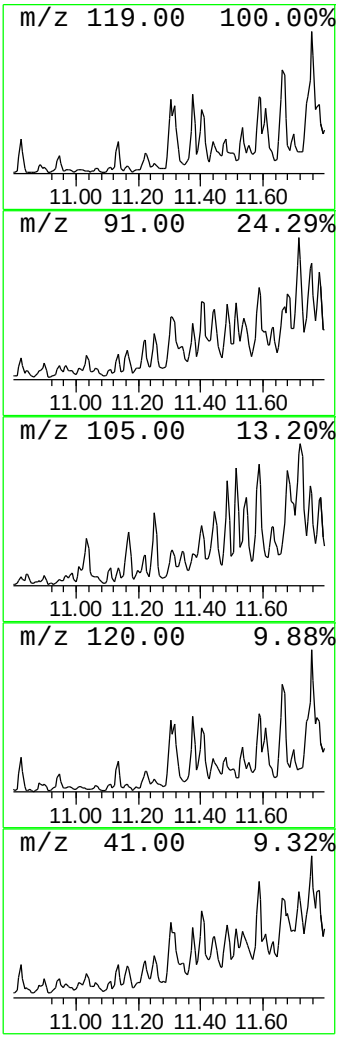
****

Peak Number 4 Benzene, (1,1,4,6,6-pentame... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.30	16.30 ng	1185020	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	72
2	Benzene, 1-(3-cyclopentylpropyl)...	216	C16H24	054815-16-6	64
3	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	64
4	Ethanedione, (4-methylphenyl)phe...	224	C15H12O2	002431-00-7	64
5	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	64





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

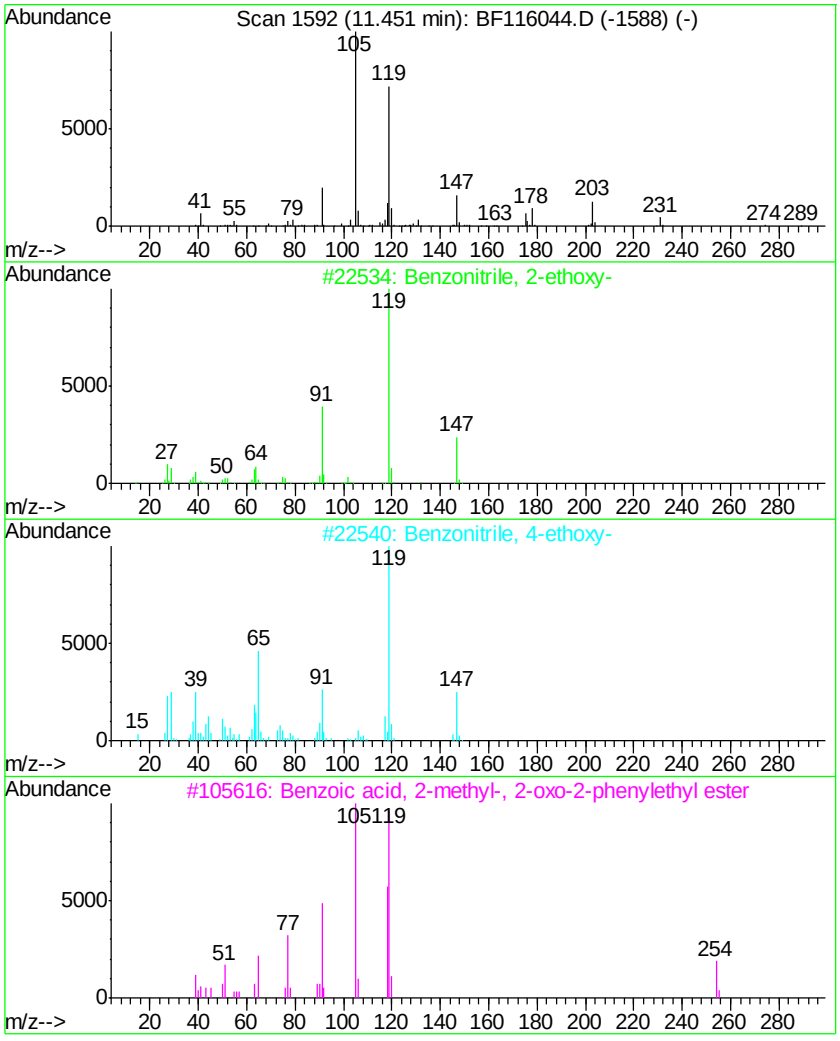
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

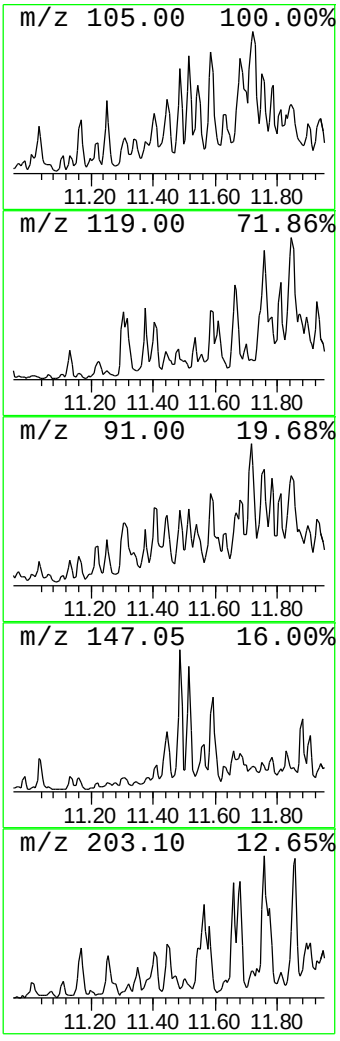
****

Peak Number 5 unknown11.45 Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.45	7.65 ng	556212	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzonitrile, 2-ethoxy-	147	C9H9NO	006609-57-0	47
2	Benzonitrile, 4-ethoxy-	147	C9H9NO	025117-74-2	47
3	Benzoic acid, 2-methyl-, 2-oxo-2...	254	C16H14O3	055153-21-4	47
4	2-Hexanone, 5-methyl-5-phenyl-	190	C13H18O	014128-61-1	43
5	Benzene, 1,1'-(1,1,2,2-tetrameth...	238	C18H22	001889-67-4	43





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

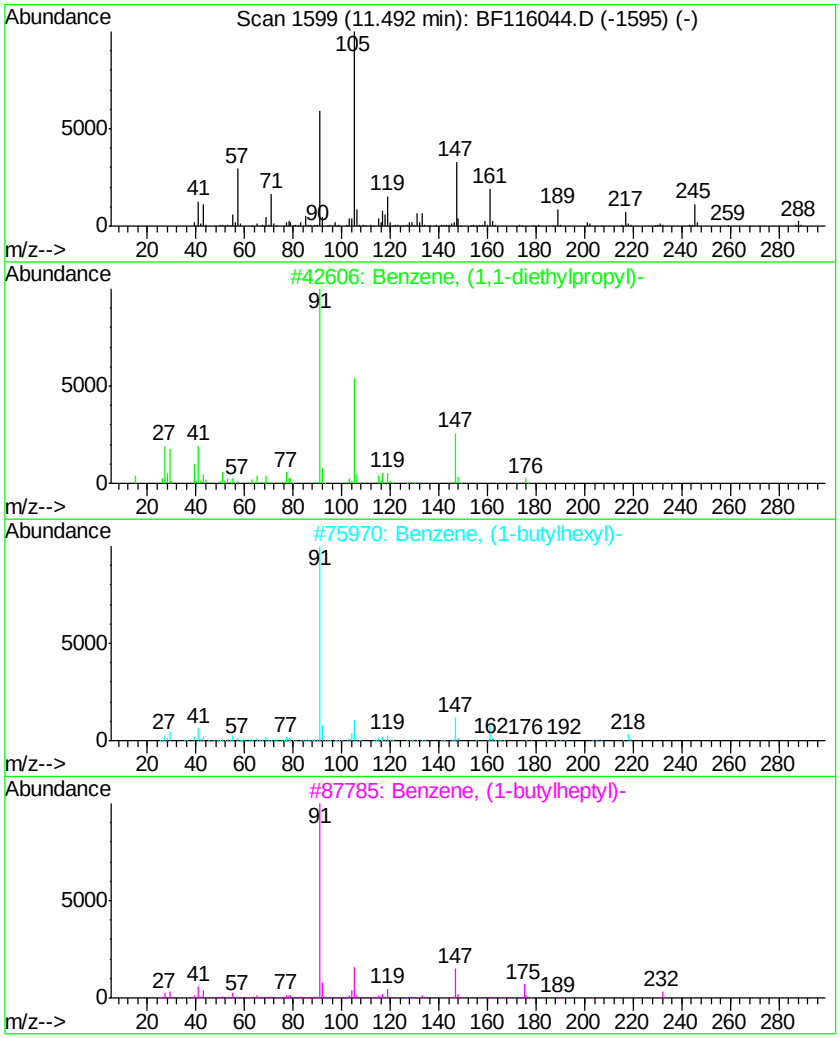
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

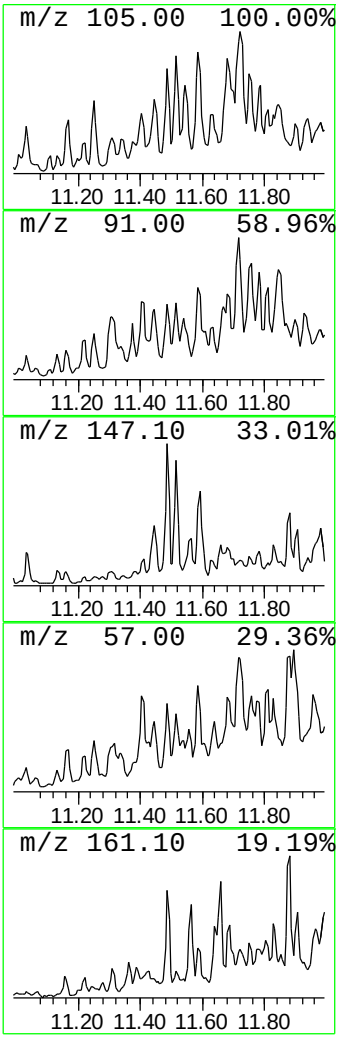
****

Peak Number 6 unknown11.49 Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.49	9.23 ng	671241	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1-diethylpropyl)-	176	C13H20	004170-84-7	50
2	Benzene, (1-butylhexyl)-	218	C16H26	004537-11-5	43
3	Benzene, (1-butylheptyl)-	232	C17H28	004537-15-9	40
4	Benzene, (1-methyl-1-propylpentyl)-	204	C15H24	054932-91-1	38
5	1-Butanone, 2-hydroxy-1-phenyl-	164	C10H12O2	016183-46-3	38





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

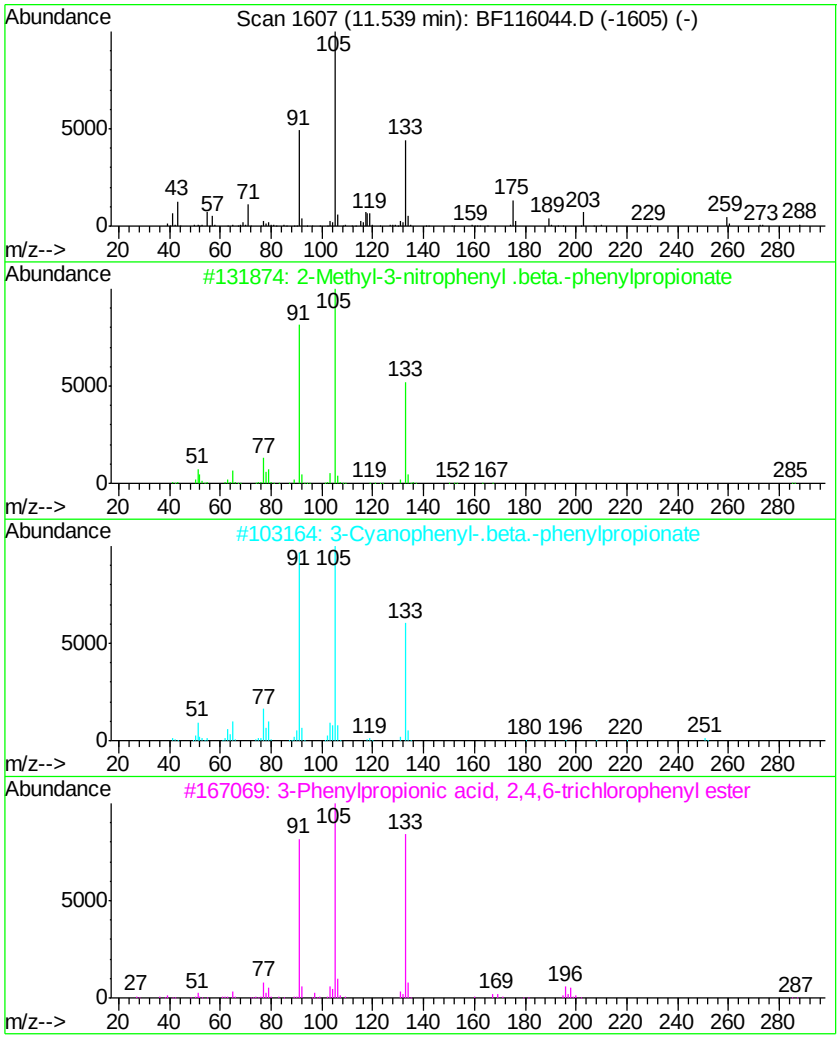
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

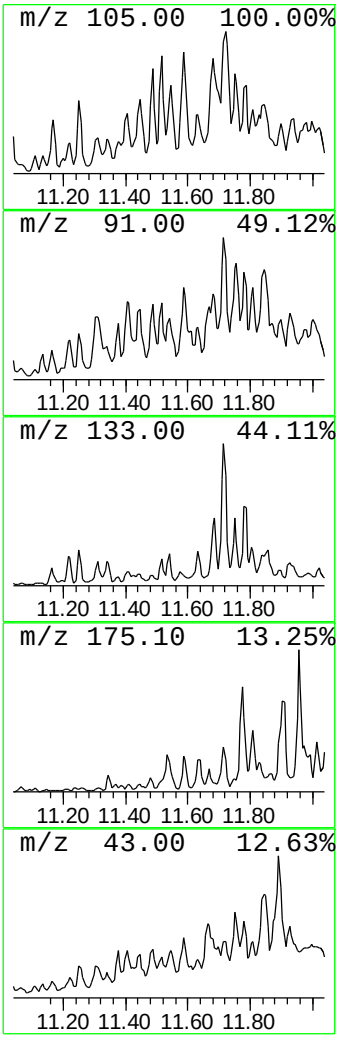
****

Peak Number 7 unknown11.54 Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.54	7.90 ng	574811	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methyl-3-nitrophenyl .beta.-ph...	285	C16H15NO4	040300-01-4	38
2	3-Cyanophenyl-.beta.-phenylpropi...	251	C16H13NO2	040123-39-5	32
3	3-Phenylpropionic acid, 2,4,6-tr...	328	C15H11Cl3O2	1000325-76-3	32
4	3-Phenylpropionic acid, 2-formyl...	322	C16H12Cl2O3	1000331-06-4	25
5	3-Trifluoromethylphenyl-.beta.-p...	294	C16H13F3O2	040123-38-4	23





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

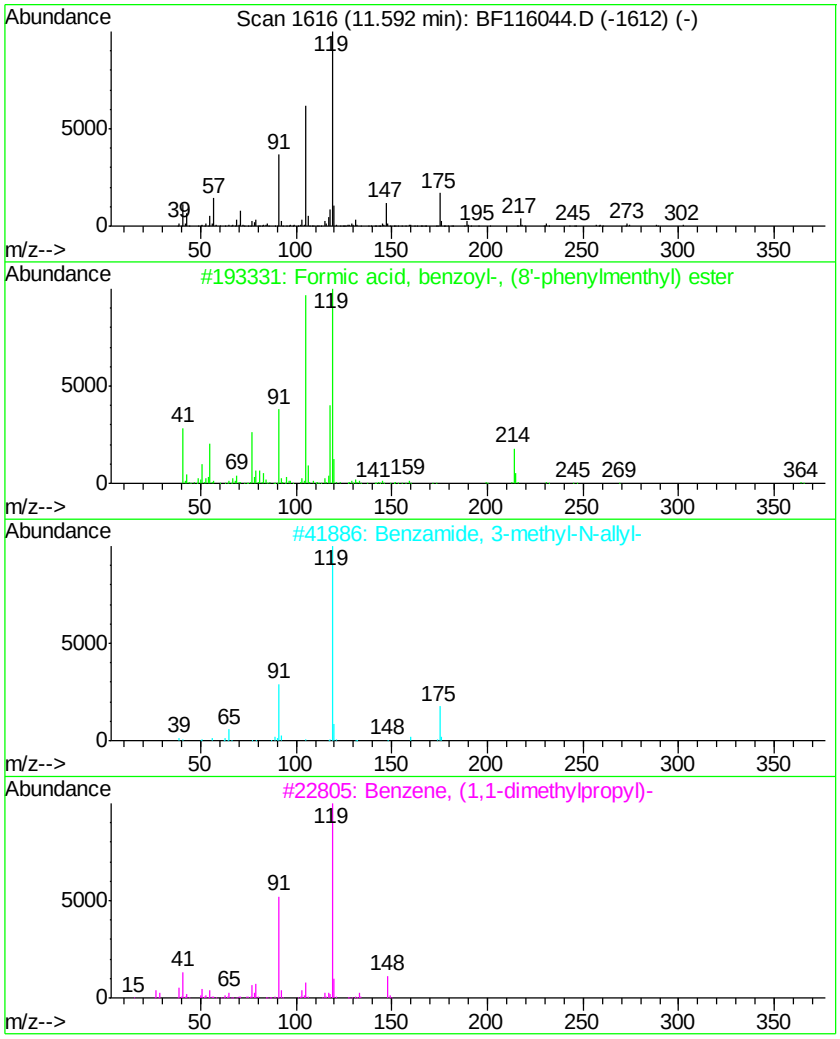
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

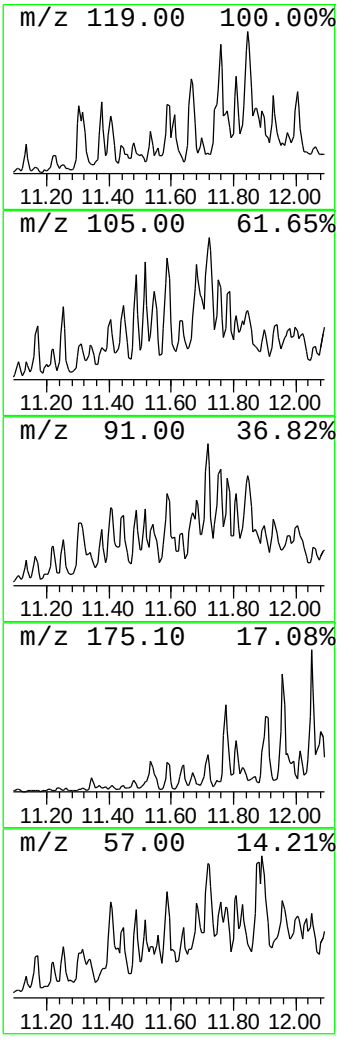
****

Peak Number 8 Formic acid, benzoyl-, (8'-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.59	15.39 ng	1119120	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Formic acid, benzoyl-, (8'-phenyl...	364	C24H28O3	088002-15-7	59
2	Benzamide, 3-methyl-N-allyl-	175	C11H13NO	1000339-09-8	52
3	Benzene, (1,1-dimethylpropyl)-	148	C11H16	002049-95-8	50
4	m-Toluic acid, 3-chloroprop-2-en...	210	C11H11ClO2	1000292-50-0	50
5	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	50





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

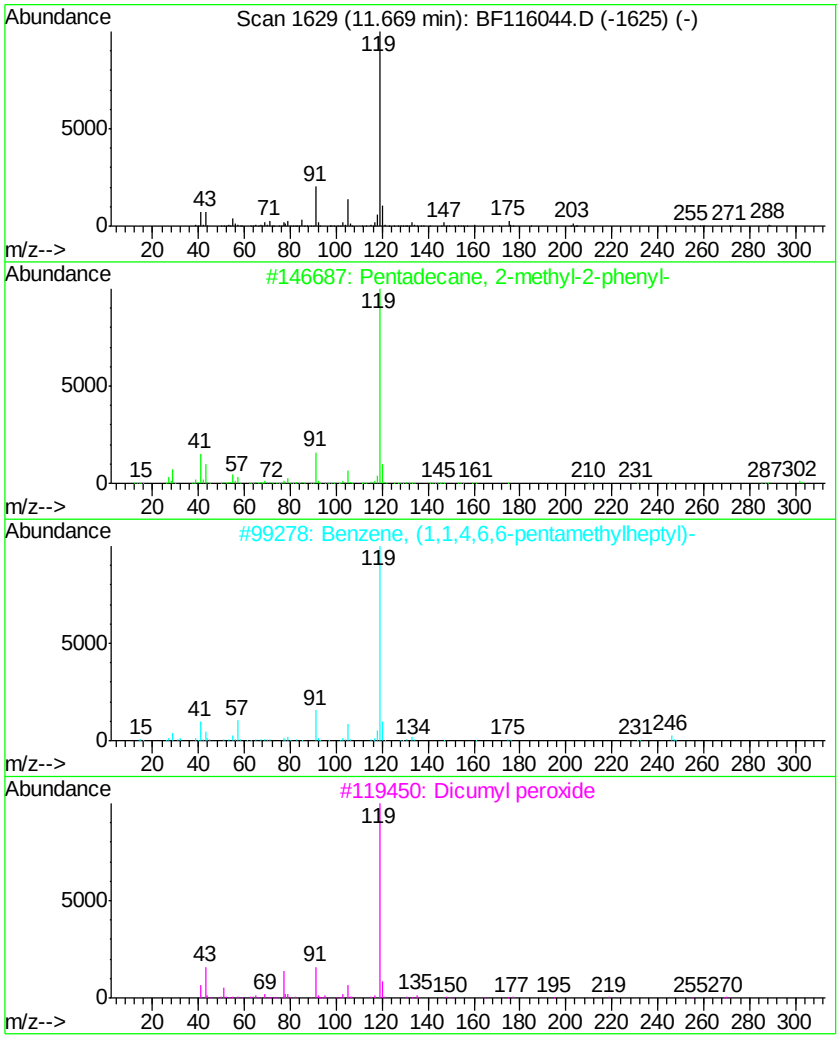
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

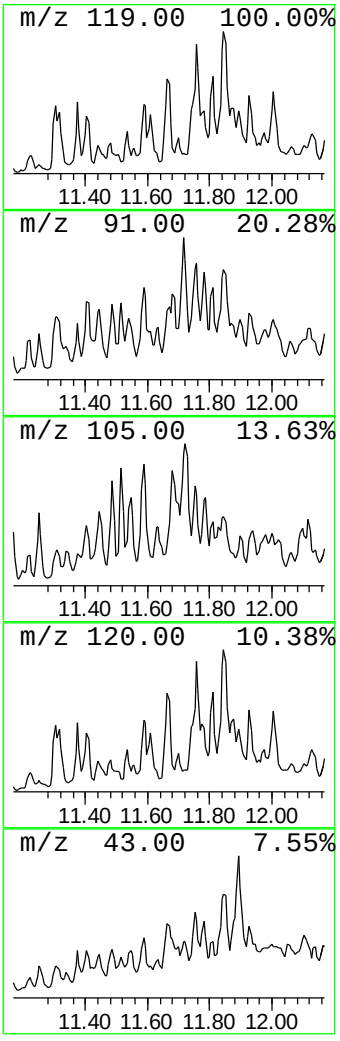
****

Peak Number 9 Dicumyl peroxide Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.67	12.65 ng	920078	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	72
2	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	72
3	Dicumyl peroxide	270	C18H22O2	000080-43-3	64
4	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	64
5	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

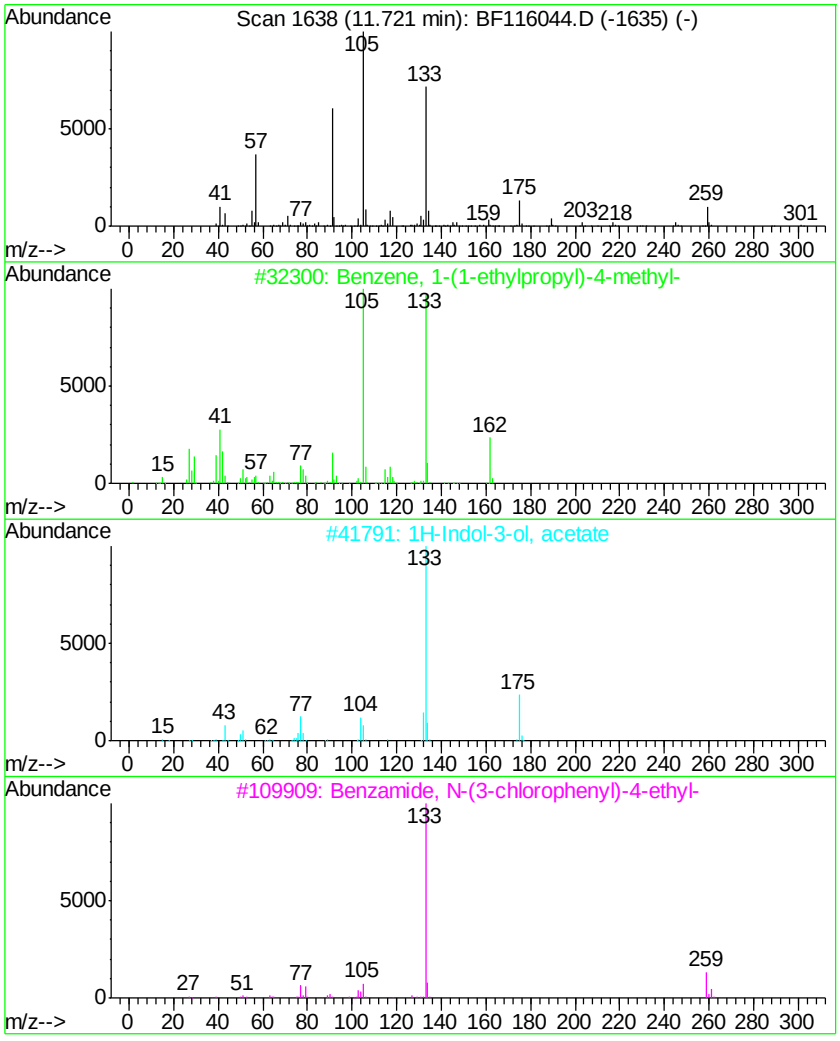
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

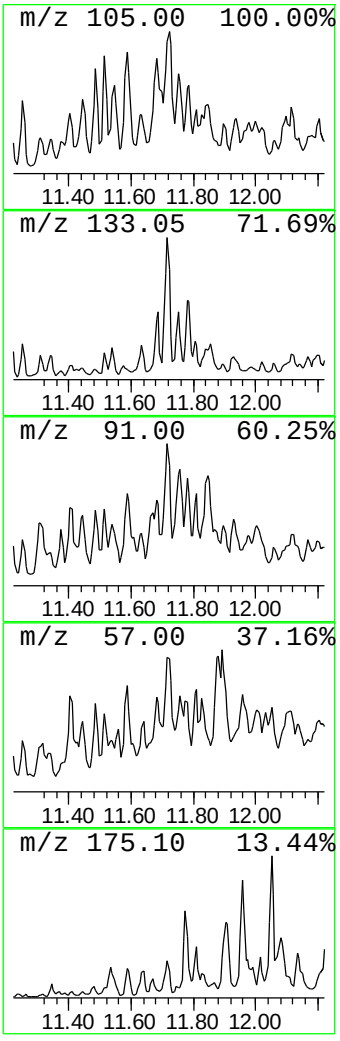
****

Peak Number 10 Benzene, 1-(1-ethylpropyl)-... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.72	11.63 ng	846035	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-(1-ethylpropyl)-4-met...	162	C12H18	022975-58-2	53
2	1H-Indol-3-ol, acetate	175	C10H9NO2	000608-08-2	50
3	Benzamide, N-(3-chlorophenyl)-4-...	259	C15H14ClNO	1000307-01-5	47
4	1H-Benzotriazole, 1-methyl-	133	C7H7N3	013351-73-0	47
5	3-Phenylpropionic acid, 2,5-dich...	294	C15H12Cl2O2	1000325-76-2	45





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

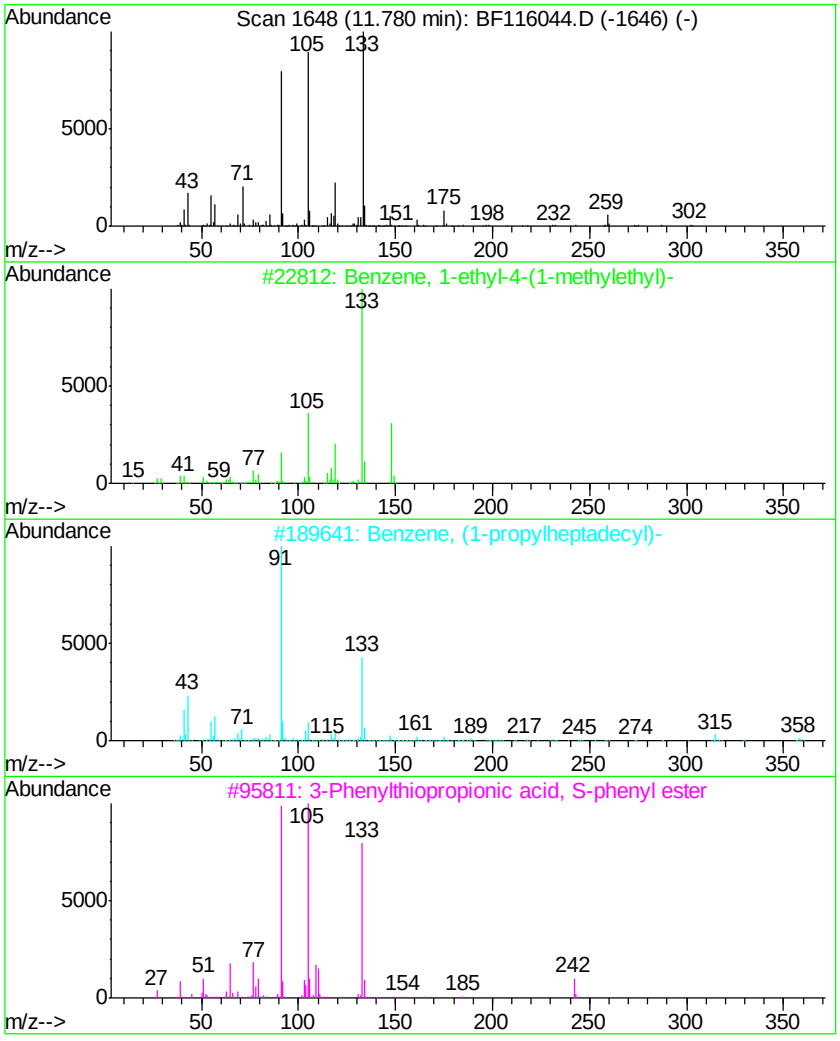
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

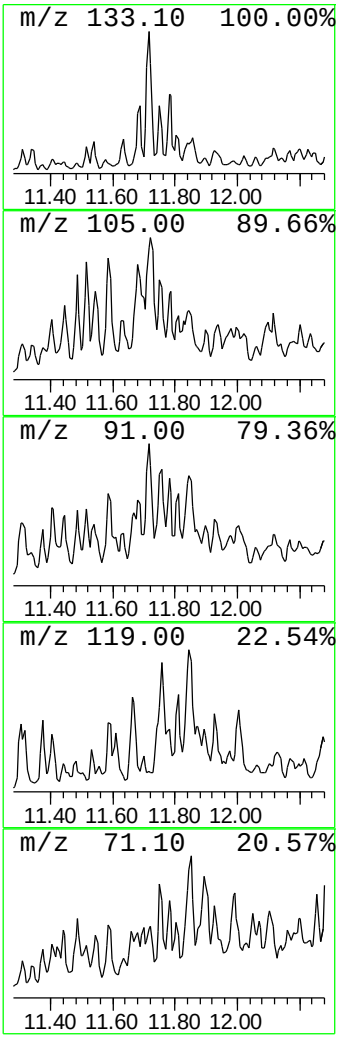
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 Benzene, 1-ethyl-4-(1-methy... Concentration Rank 17

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.78	8.91 ng	647719	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	59
2	Benzene, (1-propylheptadecyl)-	358	C26H46	002400-03-5	53
3	3-Phenylthiopropionic acid, S-ph...	242	C15H14OS	053573-33-4	53
4	Benzene, 1-(1-ethylpropyl)-4-met...	162	C12H18	022975-58-2	50
5	Pyridin-4-amine, N-cyclohexyl-	176	C11H16N2	034844-87-6	47





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

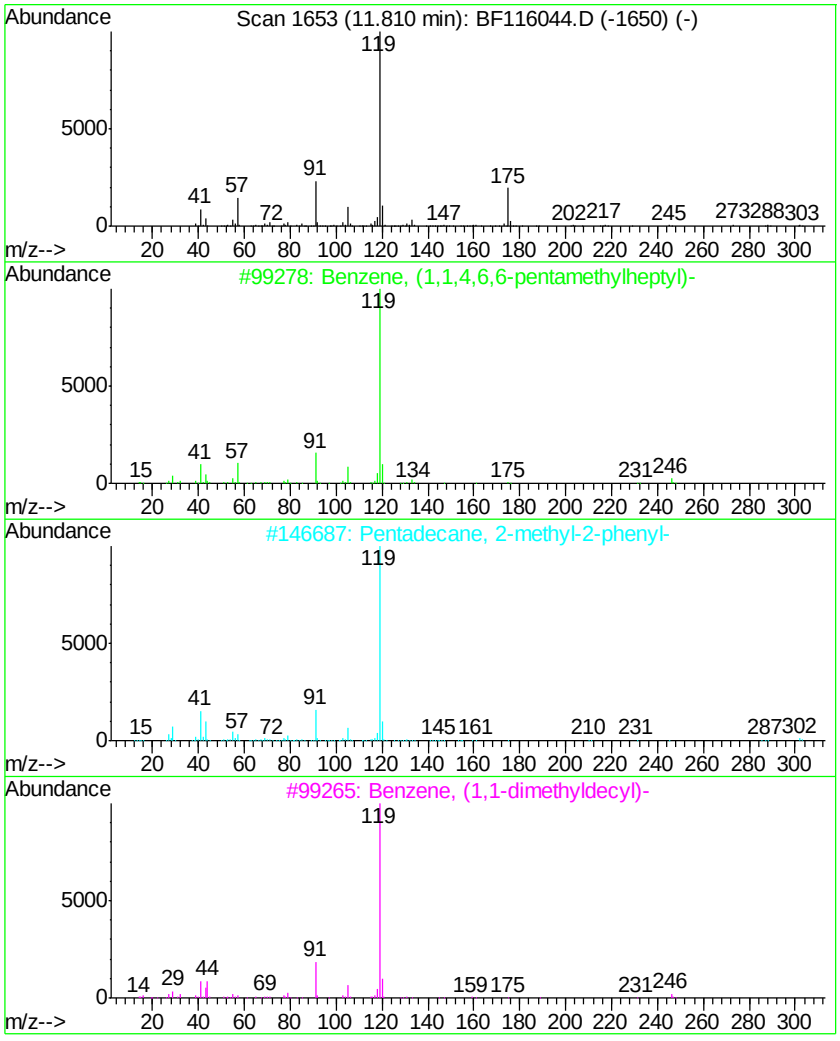
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

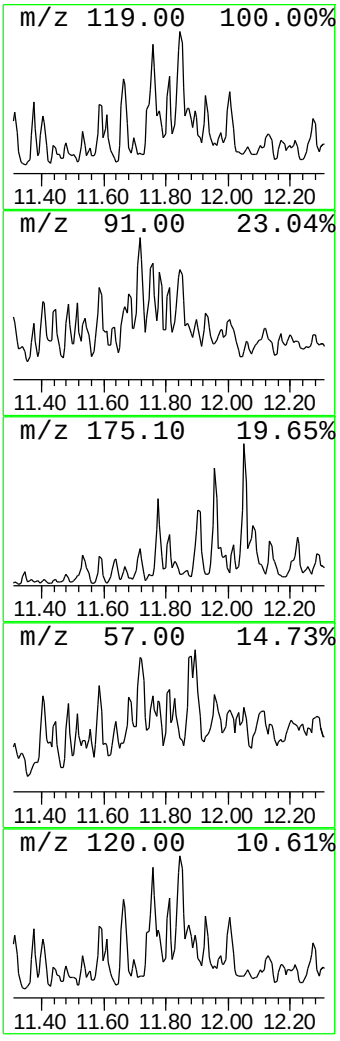
****

Peak Number 13 Benzamide, 3-methyl-N-allyl- Concentration Rank 20

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.81	6.90 ng	501448	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	64
2	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	59
3	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	59
4	Benzamide, 3-methyl-N-allyl-	175	C11H13NO	1000339-09-8	59
5	Tridecane, 2-methyl-2-phenyl-	274	C20H34	027854-41-7	59





Library Search Compound Report

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

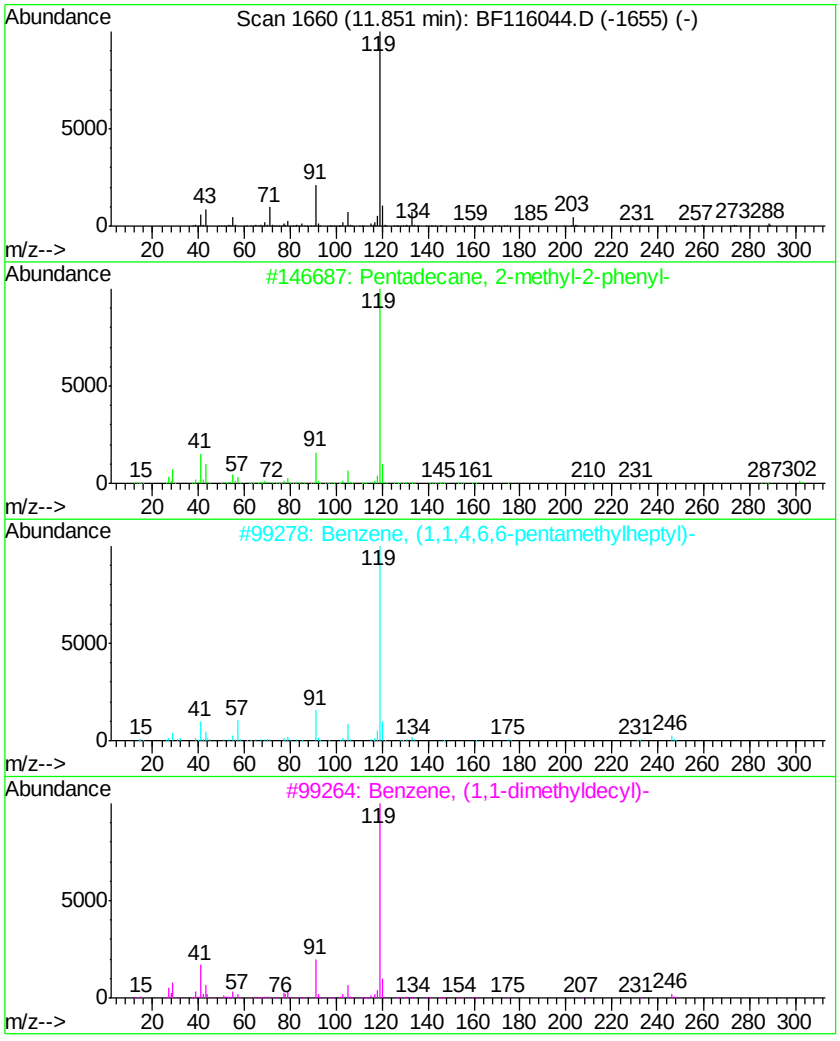
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

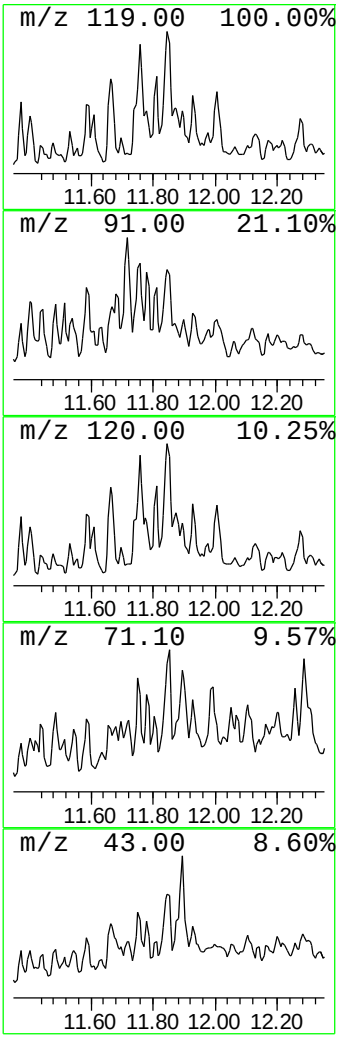
****

Peak Number 14 Pentadecane, 2-methyl-2-phe... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.85	19.41 ng	1411370	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentadecane, 2-methyl-2-phenyl-	302	C22H38	029138-94-1	80
2	Benzene, (1,1,4,6,6-pentamethylh...	246	C18H30	055134-07-1	78
3	Benzene, (1,1-dimethyldecyl)-	246	C18H30	027854-40-6	72
4	Benzene, (1,1-dimethylnonyl)-	232	C17H28	055191-25-8	72
5	3-Methylbenzoic acid, 2,5-dichlo...	280	C14H10Cl2O2	1000325-71-3	64





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

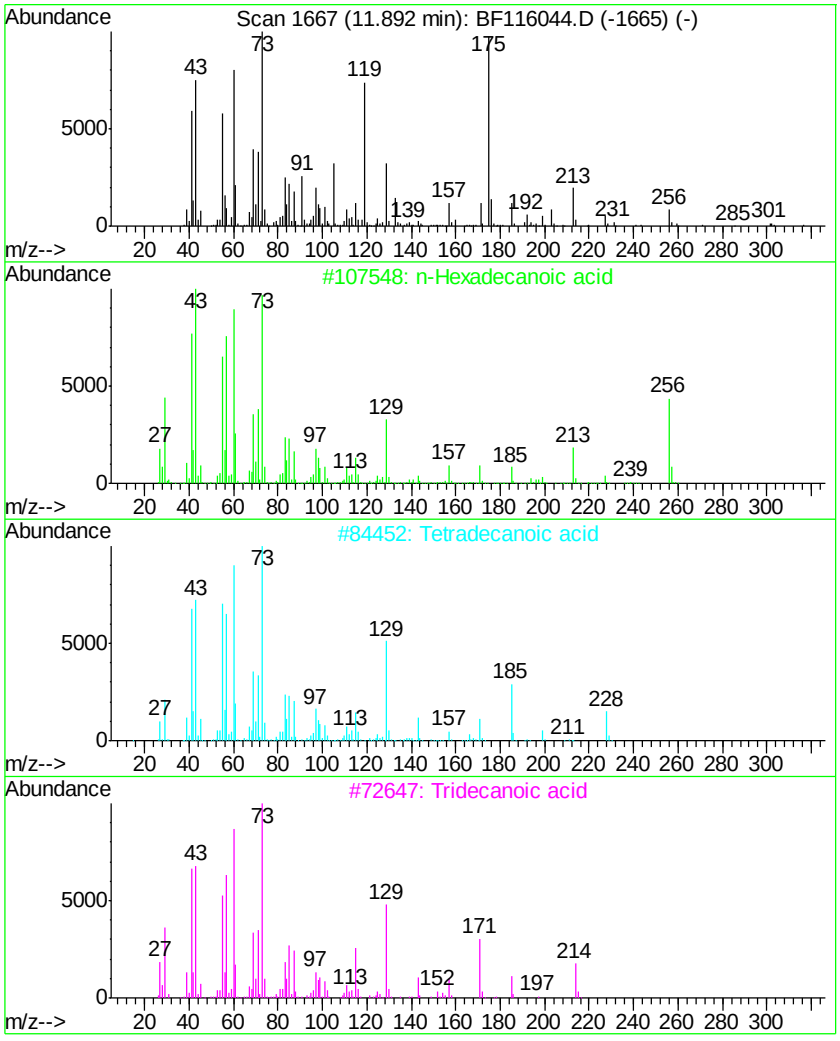
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

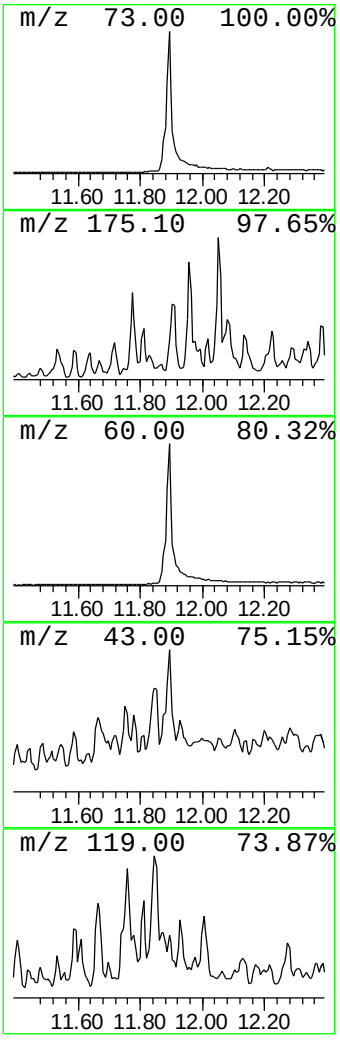
****

Peak Number 15 n-Hexadecanoic acid Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.89	15.34 ng	1115680	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	87
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	66
3	Tridecanoic acid	214	C13H26O2	000638-53-9	66
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	50
5	Octadecanoic acid	284	C18H36O2	000057-11-4	46





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

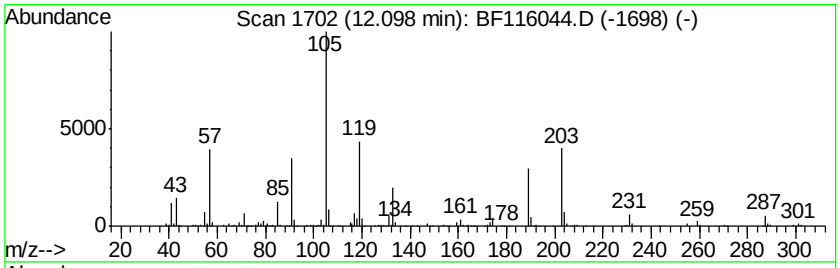
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

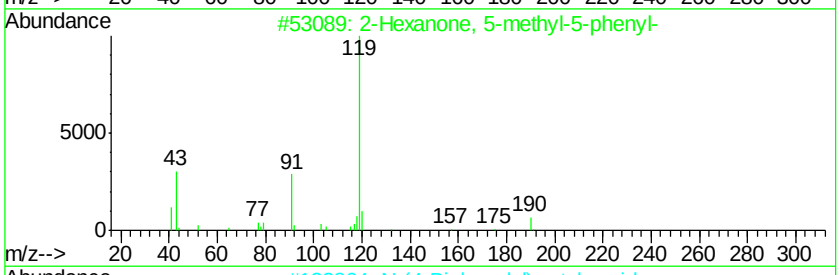
****

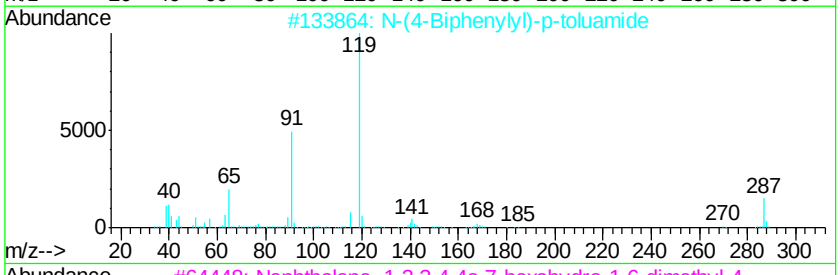
Peak Number 16 unknown12.10 Concentration Rank 16

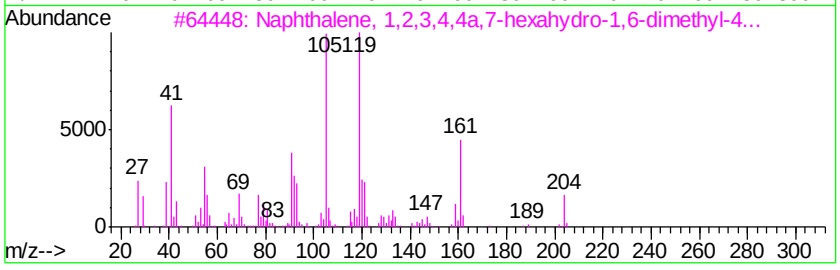
R.T.	EstConc	Area	Relative to ISTD	R.T.
12.10	8.94 ng	650160	Phenanthrene-d10	11.36

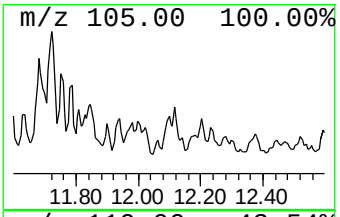
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Hexanone, 5-methyl-5-phenyl-	190	C13H18O	014128-61-1	38
2	N-(4-Biphenylyl)-p-toluamide	287	C20H17NO	313251-13-7	30
3	Naphthalene, 1,2,3,4,4a,7-hexahy...	204	C15H24	016728-99-7	30
4	.alpha.-Cubebene	204	C15H24	017699-14-8	27
5	Benzoic acid, 2-methyl-, (2-isop...	268	C18H20O2	032276-66-7	22

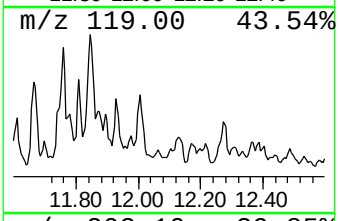


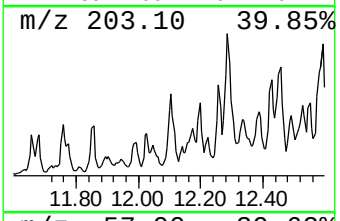


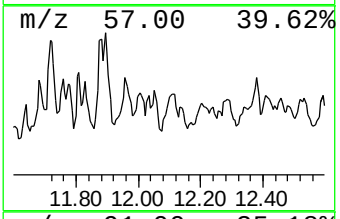


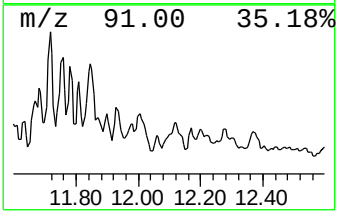












Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

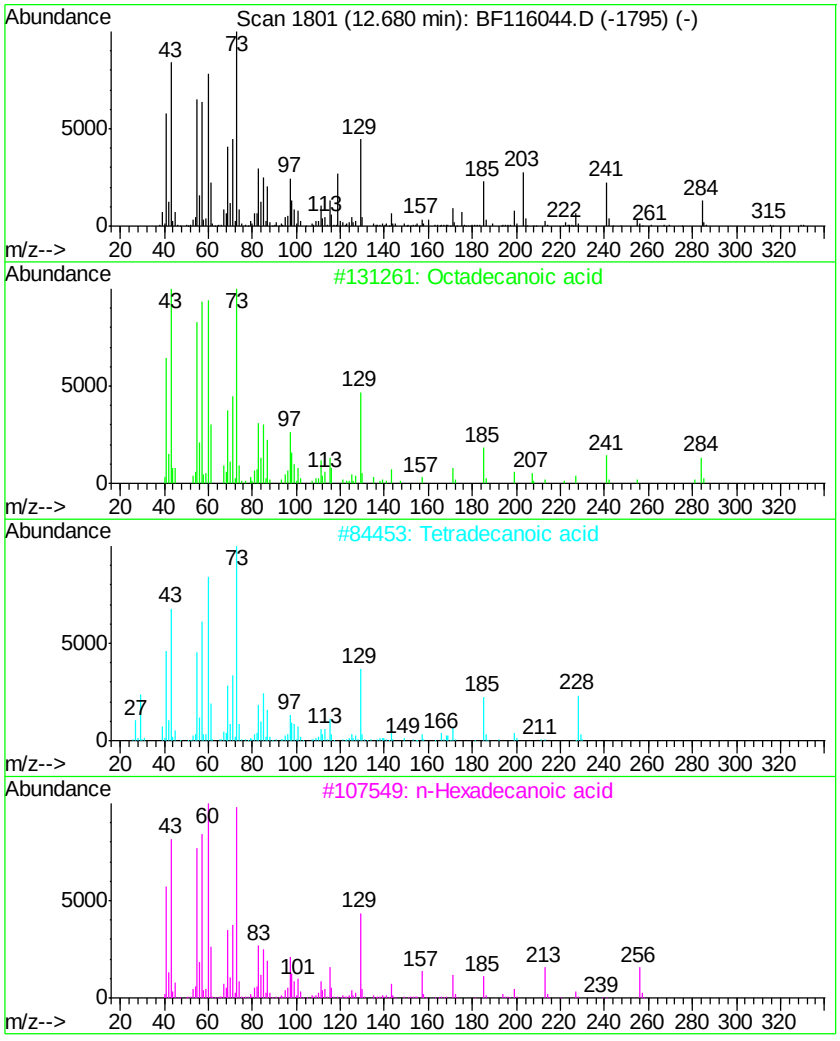
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

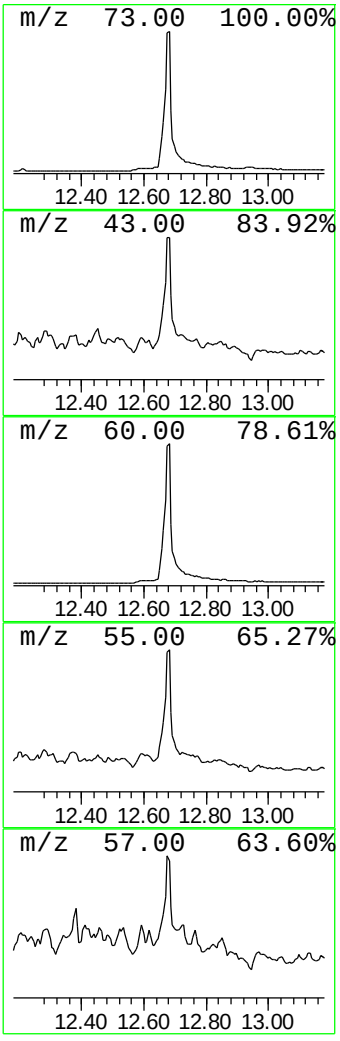
****

Peak Number 17 Octadecanoic acid Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.68	20.57 ng	1495700	Phenanthrene-d10	11.36

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octadecanoic acid	284	C18H36O2	000057-11-4	99
2	Tetradecanoic acid	228	C14H28O2	000544-63-8	70
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	64
4	Pentadecanoic acid	242	C15H30O2	001002-84-2	58
5	Octadecanoic acid, 2-(2-hydroxye...	372	C22H44O4	000106-11-6	52





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

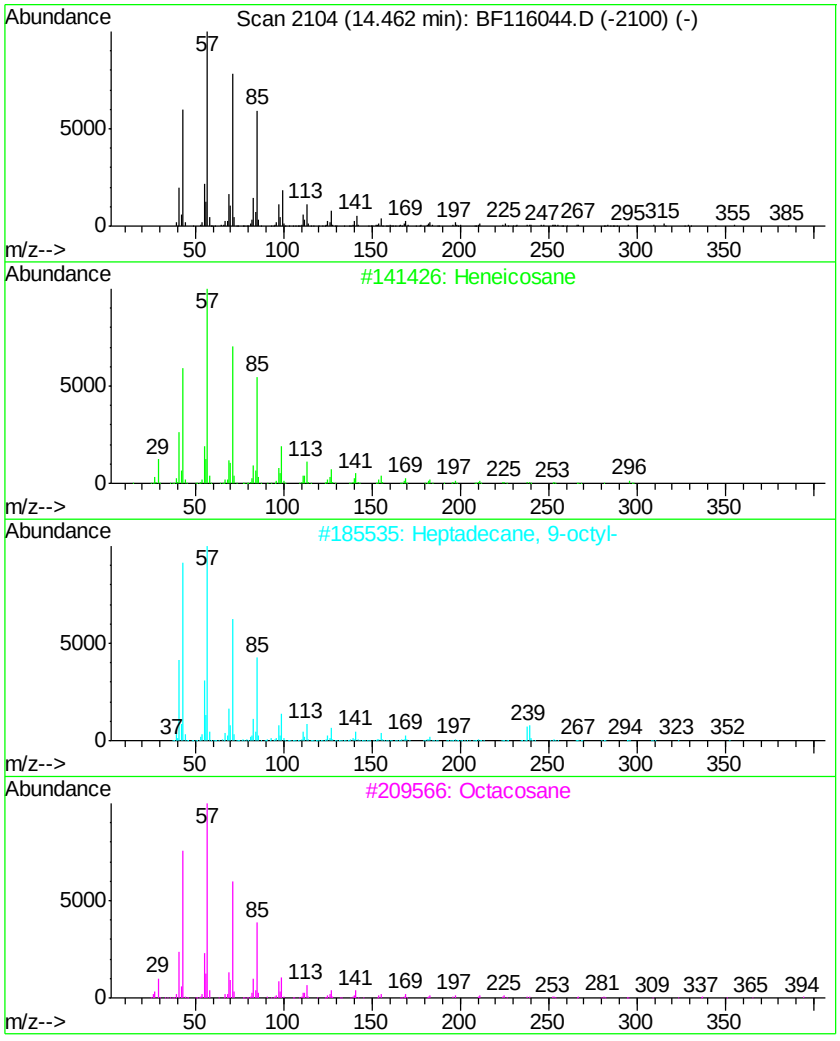
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

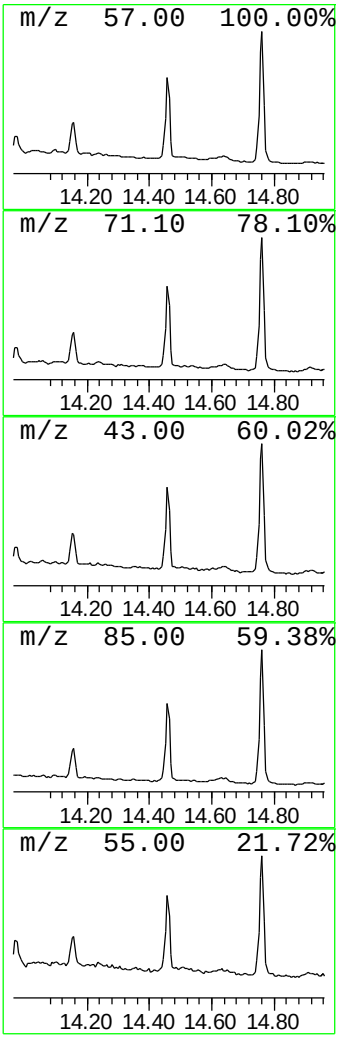
****

Peak Number 18 Heneicosane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.46	12.74 ng	509953	Chrysene-d12	14.00

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	Heptadecane, 9-octyl-	352	C25H52	007225-64-1	91
3	Octacosane	394	C28H58	000630-02-4	91
4	Tetracosane	338	C24H50	000646-31-1	91
5	Eicosane	282	C20H42	000112-95-8	91





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

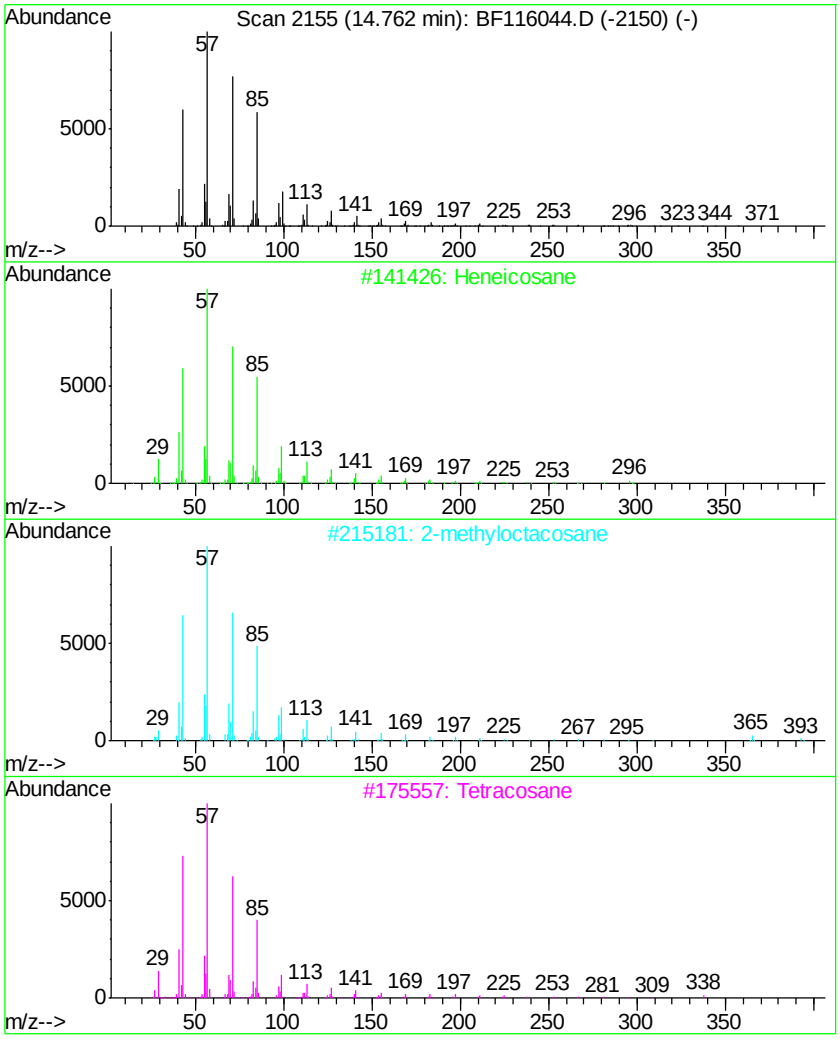
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

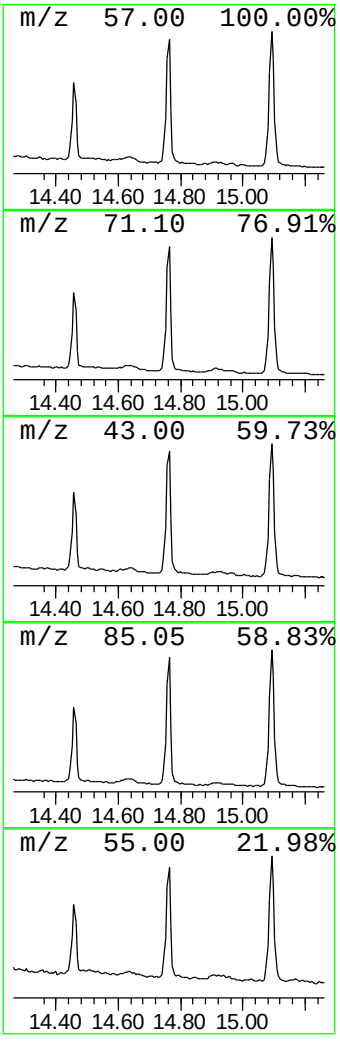
****

Peak Number 19 2-methyloctacosane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	9.66 ng	1048180	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heneicosane	296	C21H44	000629-94-7	91
2	2-methyloctacosane	408	C29H60	1000376-72-8	91
3	Tetracosane	338	C24H50	000646-31-1	90
4	Eicosane, 7-hexyl-	366	C26H54	055333-99-8	90
5	Heptadecane	240	C17H36	000629-78-7	90





Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

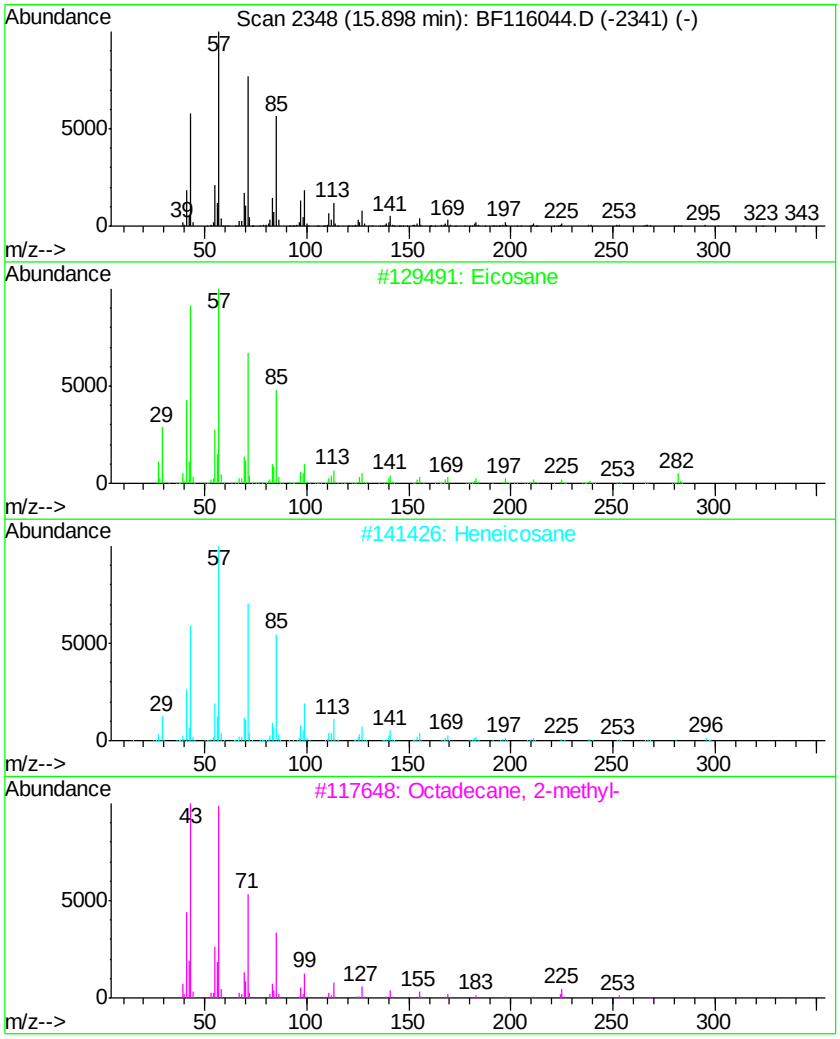
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

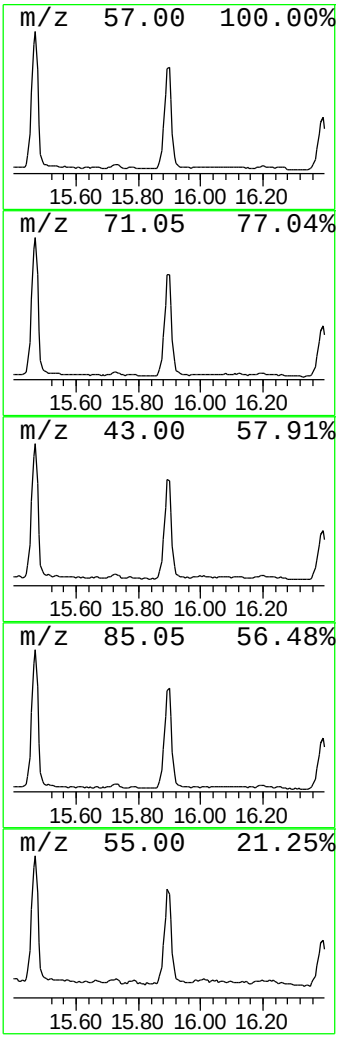
****

Peak Number 20 Eicosane Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.90	10.28 ng	1115310	Perylene-d12	15.47

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Eicosane	282	C20H42	000112-95-8	91
2	Heneicosane	296	C21H44	000629-94-7	91
3	Octadecane, 2-methyl-	268	C19H40	001560-88-9	91
4	Docosane, 11-butyl-	366	C26H54	013475-76-8	91
5	Hexadecane, 2,6,10,14-tetramethyl-	282	C20H42	000638-36-8	90





Tentatively Identified Compound (LSC) summary

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF080719\
Data File : BF116044.D
Acq On : 7 Aug 2019 12:20
Operator : HP/JU
Sample : K4152-01
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : 2S-H1-H4-COMP-(0-1)

Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF073019.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...	2.13	23.5	ng	953337	1	6.84	812750	20.0
unknown6.62	6.62	69.0	ng	2804160	1	6.84	812750	20.0
Benzene, (1,1,4,6...	11.30	16.3	ng	1185020	4	11.36	1454460	20.0
unknown11.45	11.45	7.7	ng	556212	4	11.36	1454460	20.0
unknown11.49	11.49	9.2	ng	671241	4	11.36	1454460	20.0
unknown11.54	11.54	7.9	ng	574811	4	11.36	1454460	20.0
Formic acid, benz...	11.59	15.4	ng	1119120	4	11.36	1454460	20.0
Dicumyl peroxide	11.67	12.7	ng	920078	4	11.36	1454460	20.0
Benzene, 1-(1-eth...	11.72	11.6	ng	846035	4	11.36	1454460	20.0
Benzene, 1-ethyl-...	11.78	8.9	ng	647719	4	11.36	1454460	20.0
Benzamide, 3-meth...	11.81	6.9	ng	501448	4	11.36	1454460	20.0
Pentadecane, 2-me...	11.85	19.4	ng	1411370	4	11.36	1454460	20.0
n-Hexadecanoic acid	11.89	15.3	ng	1115680	4	11.36	1454460	20.0
unknown12.10	12.10	8.9	ng	650160	4	11.36	1454460	20.0
Octadecanoic acid	12.68	20.6	ng	1495700	4	11.36	1454460	20.0
Heneicosane	14.46	12.7	ng	509953	5	14.00	800407	20.0
2-methyloctacosane	14.76	9.7	ng	1048180	6	15.47	2169180	20.0
Eicosane	15.90	10.3	ng	1115310	6	15.47	2169180	20.0