LSC Area Percent Report

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097581.D
Acq On : 11 Aug 2017 2:01
Operator : SJ/JU
Sample : I4697-09 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5A

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-BF072517.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	4.510	476	480	492	rBV2	18360	42357	4.66%	0.394%
2	4.999	560	563	588	rBV	148454	375181	41.28%	3.489%
3	6.093	746	749	760	rBV	118065	333829	36.73%	3.105%
4	6.175	760	763	780	rVB	318484	511895	56.33%	4.761%
5	6.387	796	799	812	rBV	695159	713029	78.46%	6.632%
6	6.545	823	826	835	rBV	282229	305345	33.60%	2.840%
7	6.969	895	898	918	rBV	151867	246033	27.07%	2.288%
8	7.675	1014	1018	1030	rBV	899228	908810	100.00%	8.453%
9	8.398	1138	1141	1145	rBV	8367	9119	1.00%	0.085%
10	8.492	1154	1157	1164	rVB	8528	9503	1.05%	0.088%
11	8.751	1198	1201	1209	rBV	492518	424911	46.75%	3.952%
12	8.851	1214	1218	1223	rVB2	9114	9662	1.06%	0.090%
13	9.157	1267	1270	1275	rBV	50904	53053	5.84%	0.493%
14	9.281	1288	1291	1296	rVB	29519	25138	2.77%	0.234%
15	9.375	1304	1307	1310	rBV	10171	9470	1.04%	0.088%
16	9.416	1310	1314	1318	rVV	912020	831003	91.44%	7.729%
17	9.445	1318	1319	1323	rVB	24611	22057	2.43%	0.205%
18	9.628	1347	1350	1355	rVB2	15383	16960	1.87%	0.158%
19	9.869	1389	1391	1395	rVB2	12948	11128	1.22%	0.103%
20	9.963	1404	1407	1414	rVB2	22640	27803	3.06%	0.259%
21	10.092	1425	1429	1432	rBV2	7003	9593	1.06%	0.089%
22	10.128	1432	1435	1441	rVB2	9226	9439	1.04%	0.088%
23	10.210	1445	1449	1459	rVB	165275	176395	19.41%	1.641%
24	10.339	1468	1471	1472	rBV2	18760	15766	1.73%	0.147%
25	10.516	1496	1501	1503	rBV2	6854	10717	1.18%	0.100%
26	10.551	1503	1507	1512	rVB5	7348	11214	1.23%	0.104%
27	10.716	1531	1535	1538	rBV	18482	16593	1.83%	0.154%
28	10.786	1544	1547	1550	rBV2	22484	20282	2.23%	0.189%
29	10.892	1561	1565	1567	rBV	689362	649886	71.51%	6.044%
30	10.916	1567	1569	1574	rVV	308113	271813	29.91%	2.528%
31	10.969	1574	1578	1582	rVB	58599	58175	6.40%	0.541%
32	11.145	1602	1608	1613	rBV2	30393	42637	4.69%	0.397%
33	11.210	1617	1619	1623	rVV2	12545	12576	1.38%	0.117%
34	11.392	1647	1650	1653	rBV	46480	40967	4.51%	0.381%

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Acq On : 11 Aug 2017 2:01
Operator : SJ/JU
Sample : I4697-09 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5A

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-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

35	11.422	1653	1655	1658	rVV	56525	50455	5.55%	0.469%
36	11.469	1661	1663	1666	rVV	25518	26594	2.93%	0.247%
37	11.504	1666	1669	1671	rVV	66041	70646	7.77%	0.657%
38	11.528	1671	1673	1679	rVB	36919	33673	3.71%	0.313%
39	11.616	1685	1688	1695	rVB6	15743	16239	1.79%	0.151%
40	11.686	1698	1700	1705	rVB	27021	24286	2.67%	0.226%
41	11.733	1705	1708	1715	rBV2	32387	36823	4.05%	0.342%
42	11.833	1721	1725	1728	rBV2	11767	15639	1.72%	0.145%
43	11.939	1740	1743	1746	rBV	32212	33323	3.67%	0.310%
44	11.998	1751	1753	1756	rVV3	22707	21948	2.42%	0.204%
45	12.033	1756	1759	1762	rVB2	32368	35537	3.91%	0.331%
46	12.098	1766	1770	1774	rBV	396623	372765	41.02%	3.467%
47	12.192	1784	1786	1789	rVB	17933	13733	1.51%	0.128%
48	12.251	1792	1796	1800	rVV3	19338	27709	3.05%	0.258%
49	12.322	1803	1808	1812	rVV	371243	384976	42.36%	3.581%
50	12.380	1814	1818	1825	rVB3	21083	32492	3.58%	0.302%
51	12.469	1830	1833	1837	rVV	289193	271870	29.91%	2.529%
52	12.498	1837	1838	1842	rVB	19783	11024	1.21%	0.103%
53	12.551	1842	1847	1851	rBV3	29347	51338	5.65%	0.477%
54	12.627	1857	1860	1862	rBV3	18799	21557	2.37%	0.200%
55	12.657	1862	1865	1869	rVB	42113	48092	5.29%	0.447%
56	12.722	1873	1876	1879	rVB2	29223	25974	2.86%	0.242%
57	12.757	1879	1882	1886	rBV	51362	57365	6.31%	0.534%
58	12.845	1894	1897	1900	rVB2	25347	24749	2.72%	0.230%
59	12.880	1900	1903	1907	rBV2	24641	26745	2.94%	0.249%
60	13.139	1944	1947	1949	rBV4	10566	10477	1.15%	0.097%
61	13.174	1950	1953	1958	rVB	45596	54833	6.03%	0.510%
62	13.222	1958	1961	1965	rBV6	15269	19678	2.17%	0.183%
63	13.316	1975	1977	1979	rBV	21676	20209	2.22%	0.188%
64	13.339	1979	1981	1984	rVB2	25461	24477	2.69%	0.228%
65	13.386	1984	1989	1996	rBV3	64363	96382	10.61%	0.896%
66	13.433	1996	1997	2003	rVB6	14170	13554	1.49%	0.126%
67	13.516	2006	2011	2014	rBV2	718909	884063	97.28%	8.222%
68	13.545	2014	2016	2020	rVV	202576	195644	21.53%	1.820%
69	13.621	2024	2029	2032	rBV3	25367	39793	4.38%	0.370%
70	13.686	2038	2040	2042	rVB2	16753	14560	1.60%	0.135%
71	13.757	2050	2052	2055	rBV2	17228	17204	1.89%	0.160%

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Misc :
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Instrument : BNA_F
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Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
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Start Thrs: 0.2 Max Peaks: 100
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Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

72	13.874	2069	2072	2073	rBV3	21405	21461	2.36%	0.200%
73	13.910	2073	2078	2082	rVV2	52423	80434	8.85%	0.748%
74	14.027	2096	2098	2100	rBV3	25356	25413	2.80%	0.236%
75	14.516	2177	2181	2183	rBV	184250	234008	25.75%	2.176%
76	14.757	2219	2222	2226	rBV	119506	112927	12.43%	1.050%
77	14.810	2228	2231	2235	rVB	152079	152682	16.80%	1.420%
78	14.857	2235	2239	2243	rBV	432852	477995	52.60%	4.446%
79	15.227	2300	2302	2305	rVB	38236	36011	3.96%	0.335%
80	16.051	2438	2442	2449	rVB4	56236	113210	12.46%	1.053%
81	16.398	2497	2501	2507	rBV2	41508	75934	8.36%	0.706%
82	16.604	2532	2536	2542	rVB8	27172	51672	5.69%	0.481%
83	18.562	2865	2869	2871	rBV5	8162	11370	1.25%	0.106%

Sum of corrected areas: 10751882

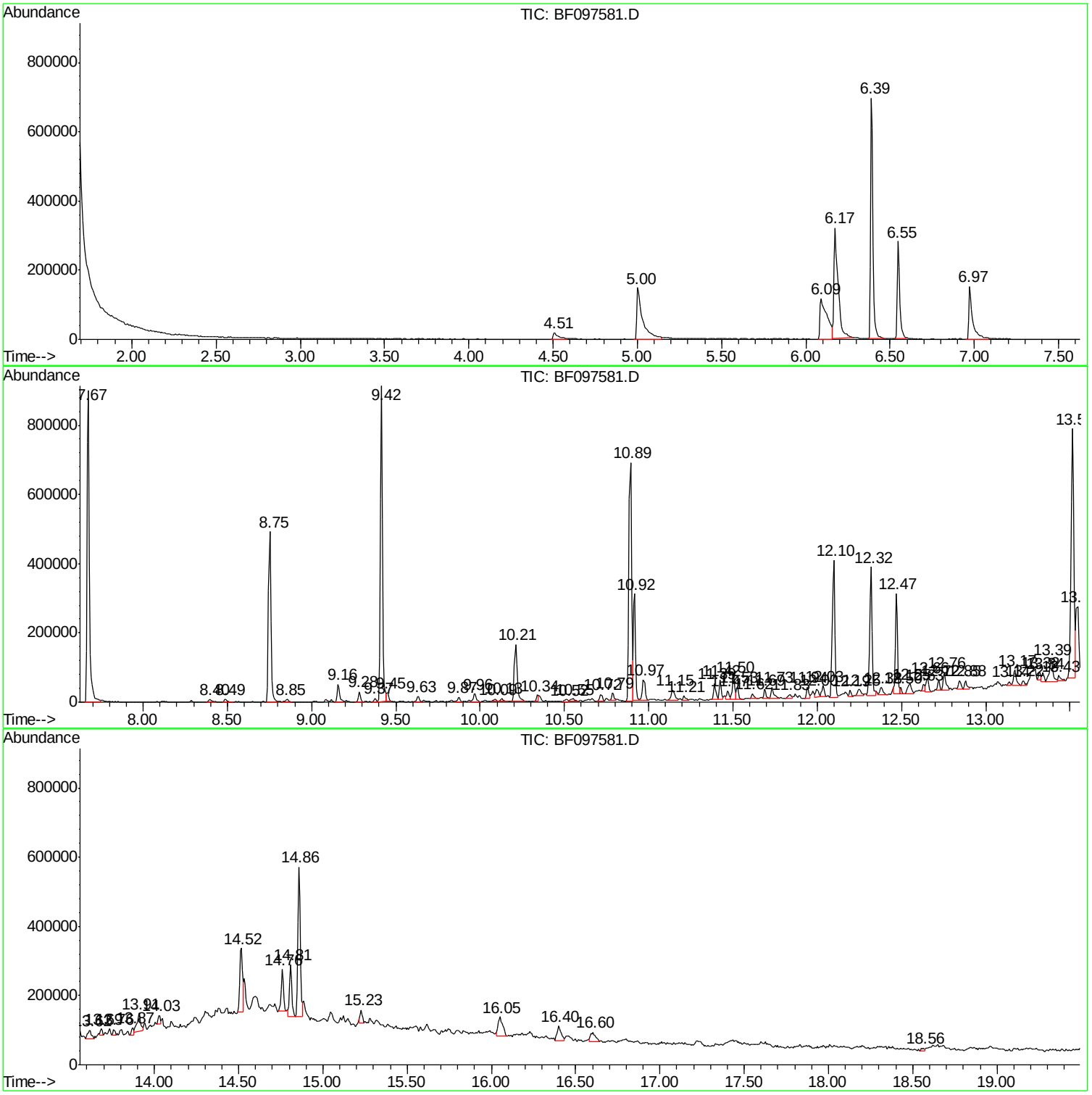
LSC Report - Integrated Chromatogram

Data Path : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097581.D
Acq On : 11 Aug 2017 2:01
Operator : SJ/JU
Sample : I4697-09 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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 : Z:\HPCHEM1\BNA F\DATA\BF081017\
Data File : BF097581.D
Acq On : 11 Aug 2017 2:01
Operator : SJ/JU
Sample : I4697-09 5X
Misc :
ALS Vial : 23 Sample Multiplier: 1

Instrument : BNA_F
ClientSampleId : NYSEG-PH4-ESMI-5A

Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

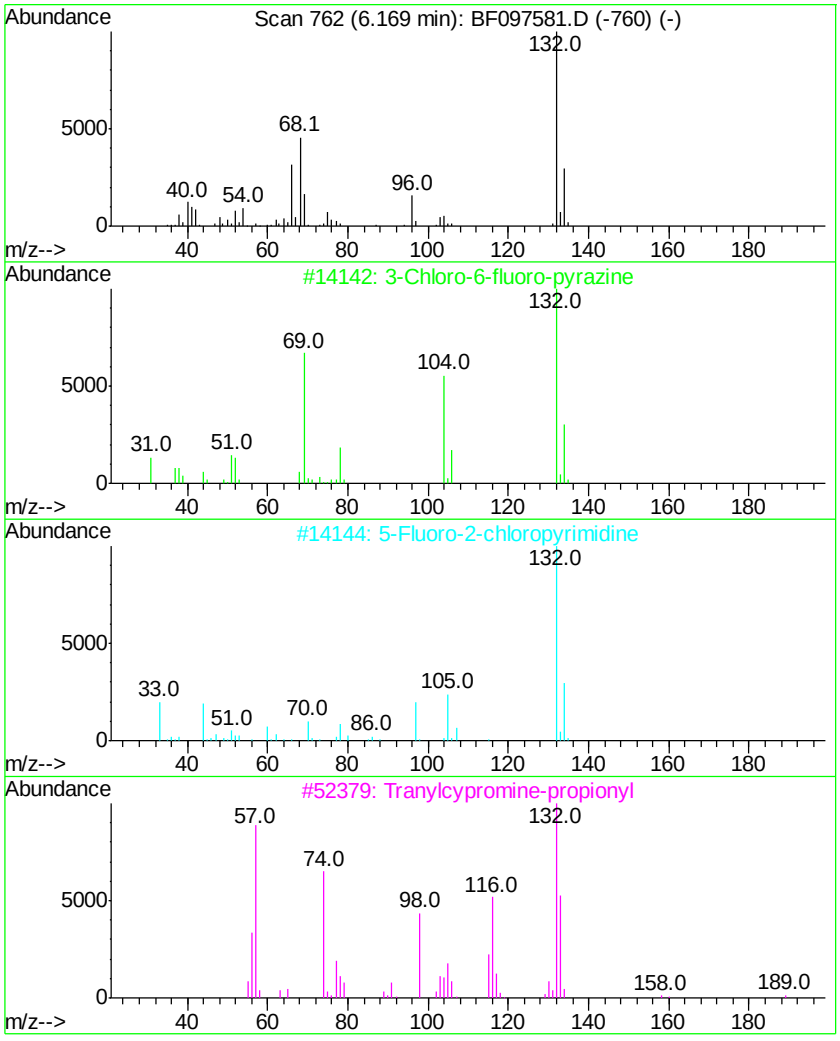
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

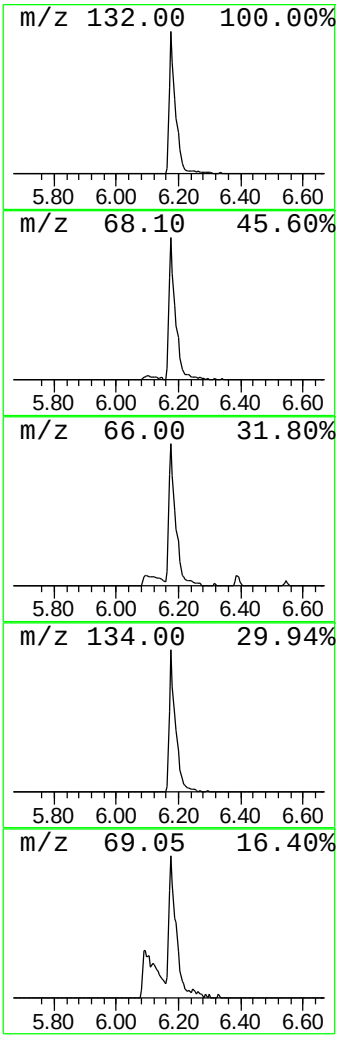
****

Peak Number 1 unknown6.17 Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.17	14.36 ng	511895	1,4-Dichlorobenzene-d4	6.39

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Chloro-6-fluoro-pyrazine	132	C4H2ClFN2	1000146-10-7	25
2	5-Fluoro-2-chloropyrimidine	132	C4H2ClFN2	062802-42-0	25
3	Tranylcypromine-propionyl	189	C12H15NO	1000123-86-3	12
4	5-Aminoindole	132	C8H8N2	005192-03-0	12
5	1,3,5-Trifluorobenzene	132	C6H3F3	000372-38-3	9





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

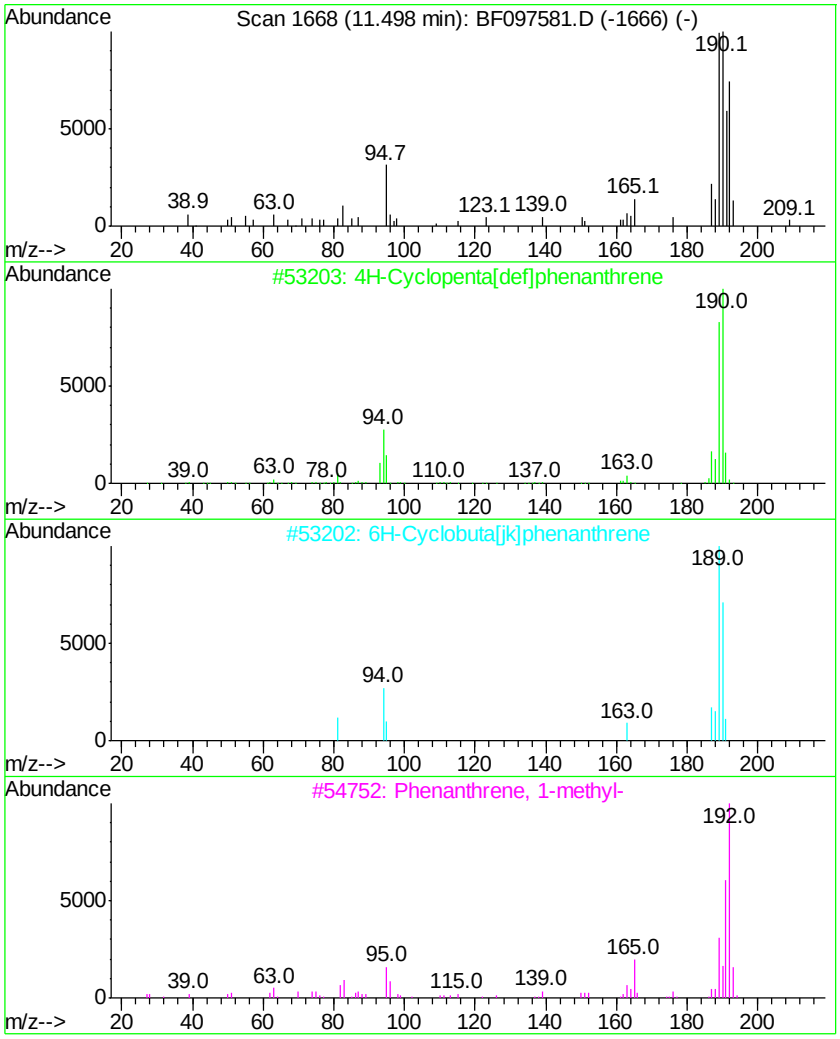
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

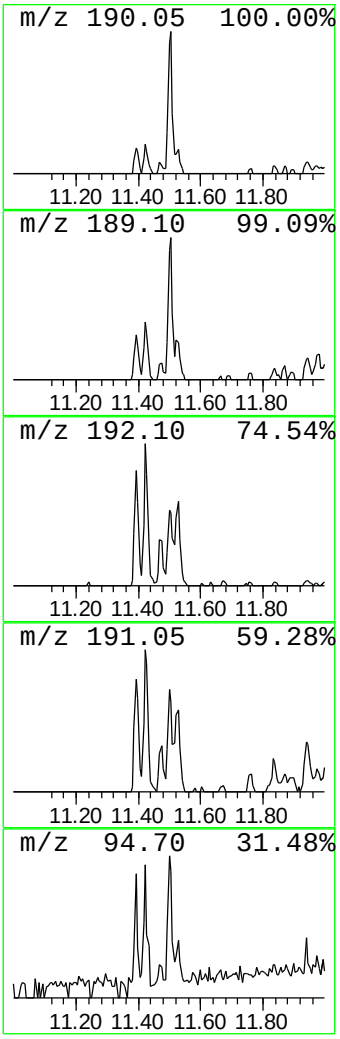
****

Peak Number 3 4H-Cyclopenta[def]phenanthrene Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.50	2.17 ng	70646	Phenanthrene-d10	10.89

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	4H-Cyclopenta[def]phenanthrene	190	C15H10	000203-64-5	70
2	6H-Cyclobuta[jk]phenanthrene	190	C15H10	083469-43-6	53
3	Phenanthrene, 1-methyl-	192	C15H12	000832-69-9	35
4	Anthracene, 2-methyl-	192	C15H12	000613-12-7	25
5	Phenanthrene, 2-methyl-	192	C15H12	002531-84-2	25





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

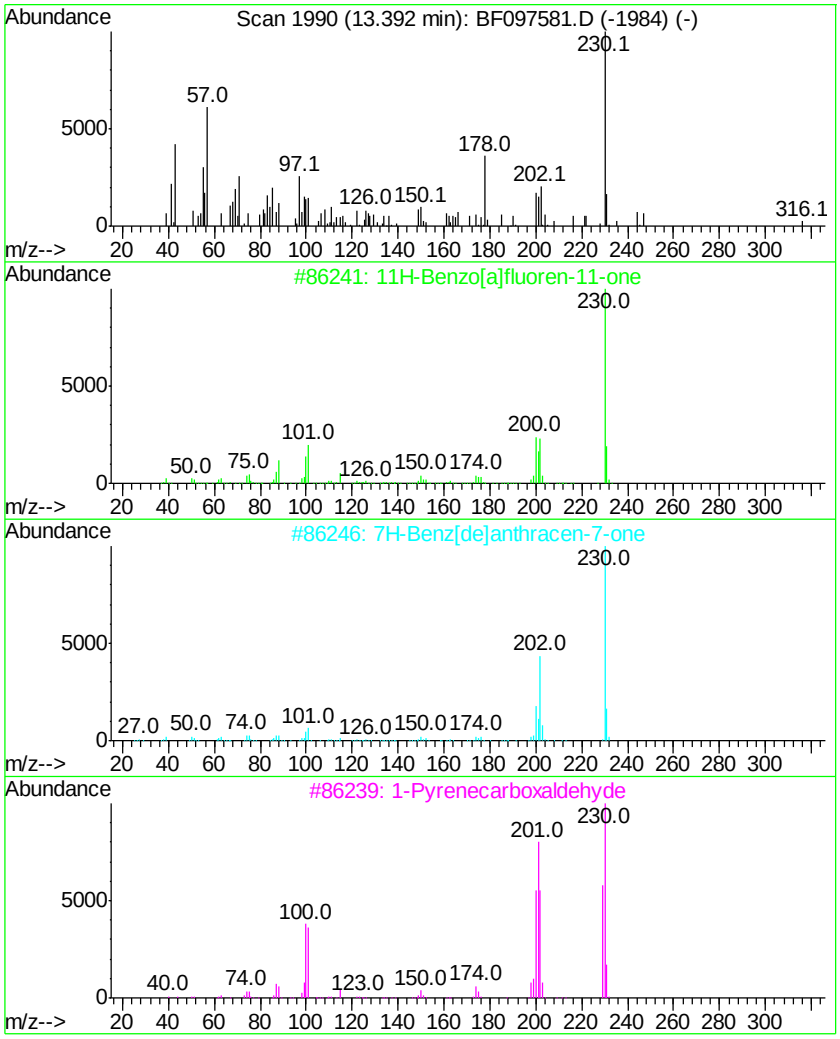
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

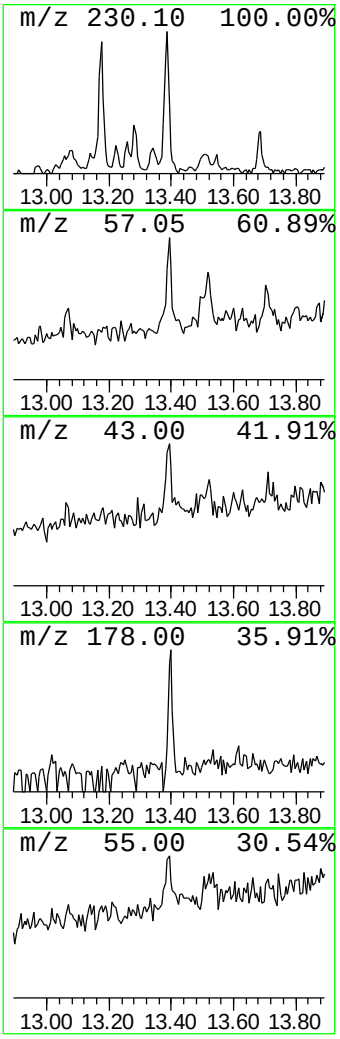
****

Peak Number 4 11H-Benzo[a]fluoren-11-one Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.39	2.18 ng	96382	Chrysene-d12	13.52

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	11H-Benzo[a]fluoren-11-one	230	C17H10O	000479-79-8	91
2	7H-Benz[de]anthracen-7-one	230	C17H10O	000082-05-3	68
3	1-Pyrenecarboxaldehyde	230	C17H10O	003029-19-4	59
4	Pyrene, 1,3-dimethyl-	230	C18H14	064401-21-4	53
5	(E)-.alpha.,.alpha.'-Dicyanostil...	230	C16H10N2	002450-55-7	53





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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

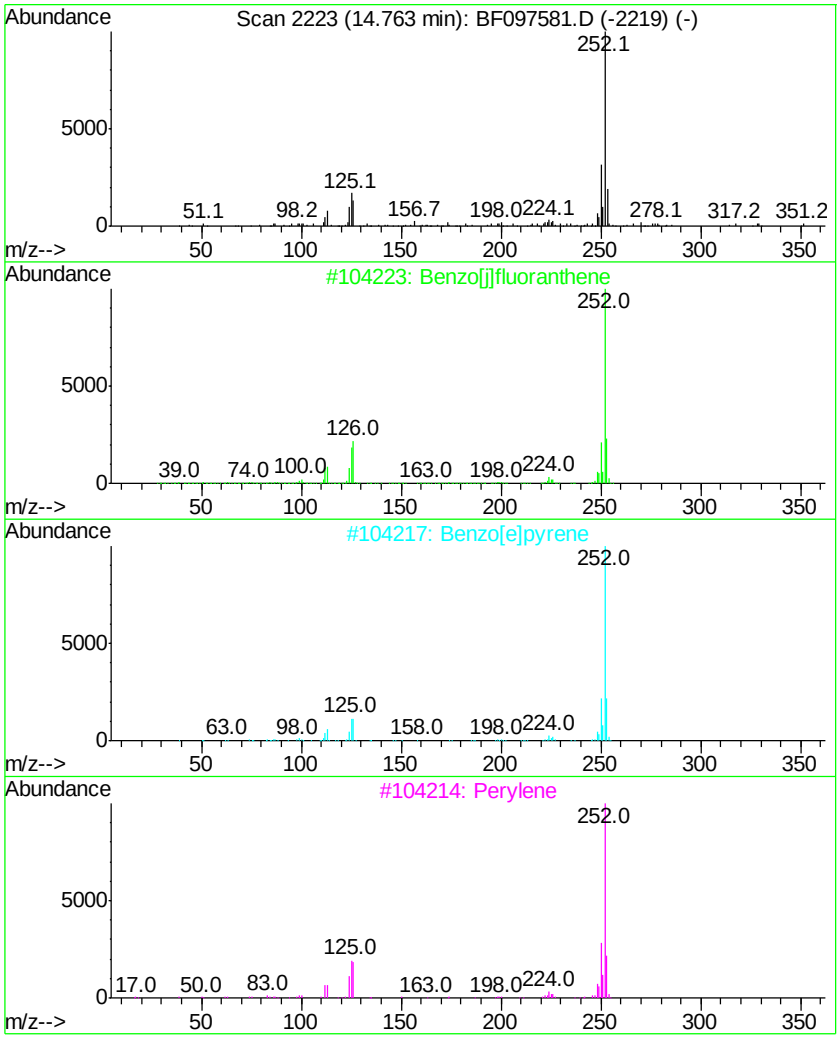
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

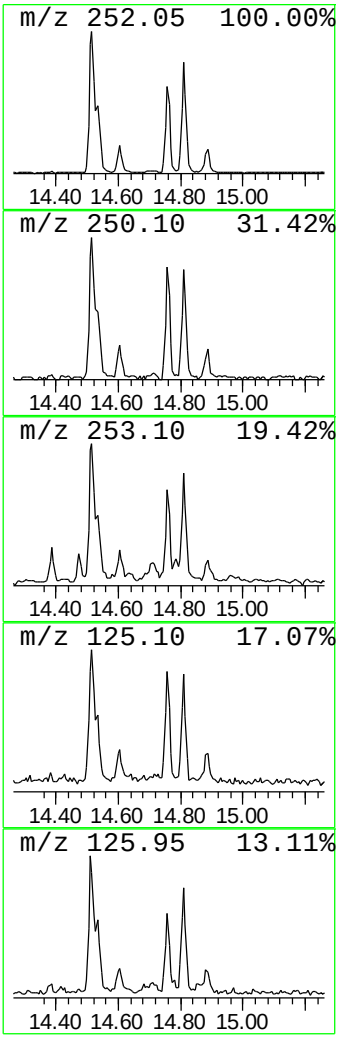
****

Peak Number 5 Benzo[j]fluoranthene Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.76	4.73 ng	112927	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzo[j]fluoranthene	252	C20H12	000205-82-3	98
2	Benzo[e]pyrene	252	C20H12	000192-97-2	98
3	Perylene	252	C20H12	000198-55-0	96
4	Benz[e]acephenanthrylene	252	C20H12	000205-99-2	96
5	Benzo[k]fluoranthene	252	C20H12	000207-08-9	93





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Instrument : BNA_F
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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

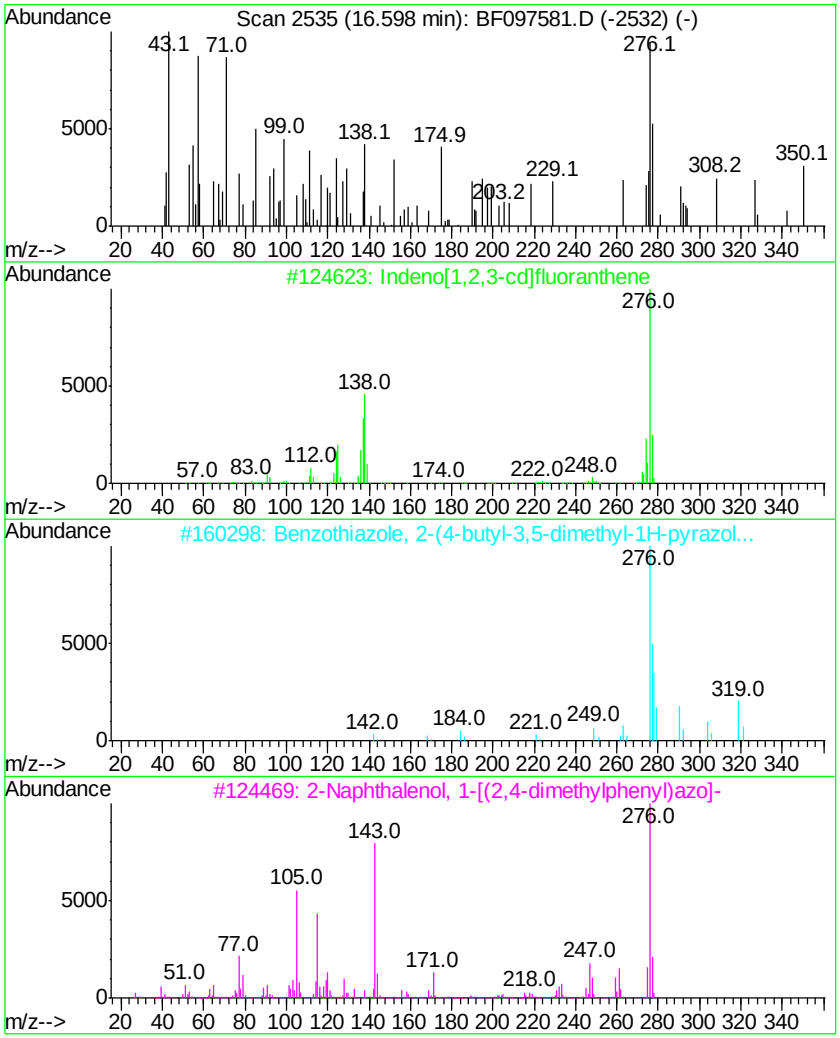
TIC Library : C:\DATABASE\NIST11.L
TIC Integration Parameters: LSCINT.P

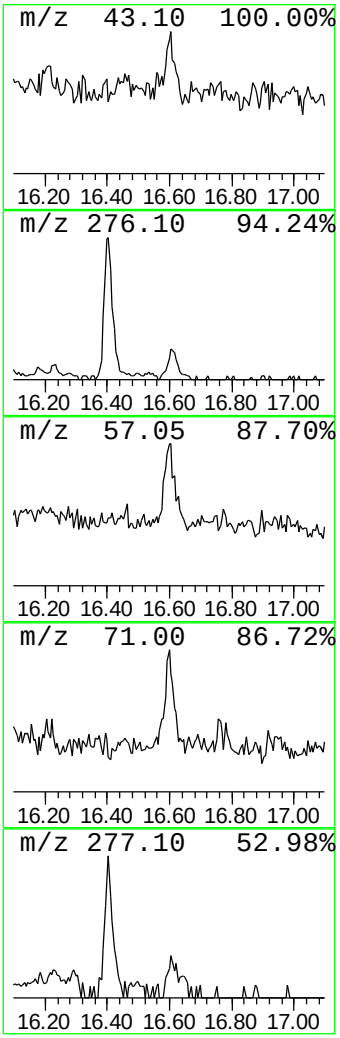
****

Peak Number 6 unknown16.60 Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
16.60	2.16 ng	51672	Perylene-d12	14.86

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indeno[1,2,3-cd]fluoranthene	276	C22H12	000193-43-1	43
2	Benzothiazole, 2-(4-butyl-3,5-di...	319	C16H18ClN3S	104519-28-0	33
3	2-Naphthalenol, 1-[(2,4-dimethyl...	276	C18H16N2O	003118-97-6	27
4	Phenol, 2-methoxy-4-(2-quinolinyl...	277	C18H15NO2	036585-48-5	25
5	2-Chloro-4-(2-furanyl)-5-methyl-...	276	C13H9ClN2OS	131022-80-5	23





Tentatively Identified Compound (LSC) summary

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Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF072517.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
unknown6.17	6.17	14.4	ng	511895	1	6.39	713029	20.0
4H-Cyclopenta[def...	11.50	2.2	ng	70646	4	10.89	649886	20.0
11H-Benzo[a]fluor...	13.39	2.2	ng	96382	5	13.52	884063	20.0
Benzo[j]fluoranthene	14.76	4.7	ng	112927	6	14.86	477995	20.0
unknown16.60	16.60	2.2	ng	51672	6	14.86	477995	20.0